LIFE



BRITAIN GOES TO WAR

SEPTEMBER 18, 1939 10 CENTS

REG U S PAT OFF



THIS MONDAY NIGHT... Tune in "Tune-Up Time." Columbia Broadcasting System, 7 P.M., E.S.T.; 6 P.M., C.S.T.—5 P.M., M.S.T.; 8 P.M., P.S.T.

What a city man can learn from a farmer

The farmer doesn't drive his "iron horse" for fun. It's business with him. That's why he watches his operating costs much more closely than the average automobile owner. Today, farmer after farmer will tell you that cheap, low-grade fuel actually costs *more* in the long run.

American farmers have discovered that modern tractors . . . with high compression engines very much like the one in your car . . . do enough extra work to more than make up for the slightly higher price of good gasoline.

They've learned this important fact: *The better the fuel, the better the performance* . . . in tractors and automobiles!

That's because the anti-knock quality of the gasoline in your tank determines just how far your motor service man can advance the spark when he tunes-up your car's engine.

The farther the spark of a modern high-compression engine is advanced, up to the point of maximum power, the more power and mileage you get.

Since there are different grades of gasoline sold for automobile use, you have a choice of *three grades of performance* —as shown below.

YOU HAVE THESE 3 CHOICES OF CAR PERFORMANCE



BEST PERFORMANCE—with gasoline marked "Ethyl" on the pump or globe. It is highest in anti-knock and all-round quality. Contains enough tetraethyl lead so that your engine's spark can be *advanced* closest to the point of maximum power and economy without "knock" or "ping."



GOOD PERFORMANCE—with "regular" gasoline, which permits the spark to be considerably advanced without "knock" or "ping." Most "regular" gasolines now contain tetraethyl lead to improve anti-knock quality, as shown by the "Lead" signs on the pumps.



POOR PERFORMANCE—with low-grade gasoline, poor in anti-knock quality. With low-grade gasoline in a modern car, the engine's spark must be *retarded*—which means *less* of power and economy.

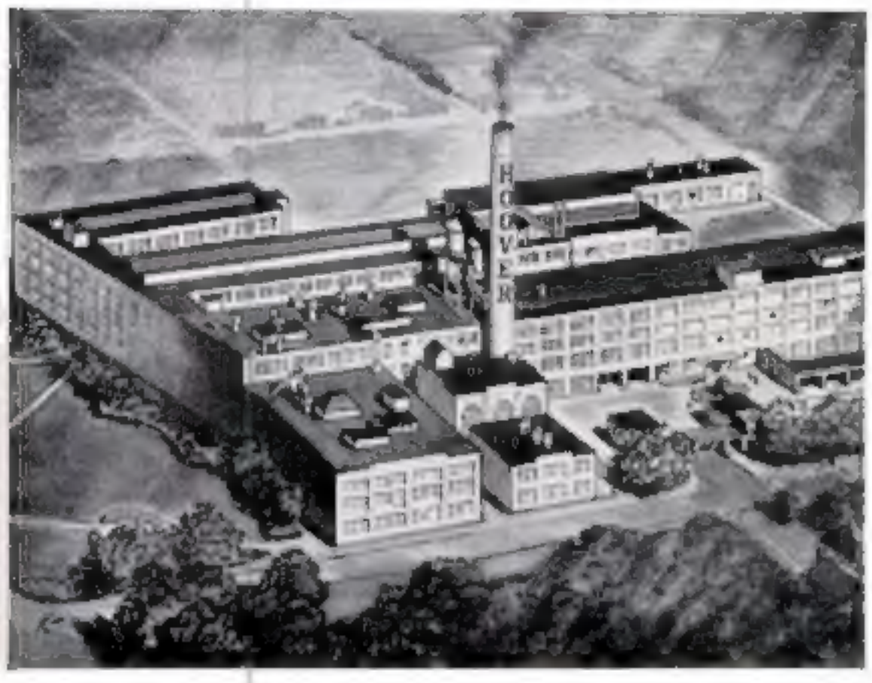
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ETHYL GASOLINE CORPORATION, ***manufacturer of anti-knock fluids used by oil companies to improve gasoline***

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Who stands behind the cleaner that you buy?

Is there a reputable name of a leading manufacturer on that cleaner? Is there the responsible name of a leading local merchant behind it? . . . Two strong names stand behind every Hoover sold.



THE NAME HOOVER

Why is the Hoover name so important to you?

Because it stands for the electric cleaner that gets more dirt per minute and makes rugs last longer.

For 32 years it has cleaned the rugs and brightened the homes of mothers and wives who don't like dirt.

The Hoover name has been riveted onto more than 5,000,000 cleaners. It's the cleaner any woman ought to have, most women want to have and all women can have.



THE NAME OF A LEADING LOCAL STORE

There's a store in your community that stands behind everything it sells—from a spool of No. 60 white thread to a costly dinner dress. You buy there with confidence.

The finest retail stores throughout the country—stores with reputations to protect—sell the Hoover.

When you buy the Hoover at one of them, it doesn't move on to another city. It's there, every day in the year, to make sure your Hoover Cleaner does everything that it should be doing.

Don't you think this is a pretty responsible way to sell electric cleaners?

ASK THESE 3 QUESTIONS

(and get the answers)
before you buy any cleaner!

1. *WHO MAKES IT?*
2. *WHO STANDS BEHIND IT IN MY CITY?*
3. *WILL YOU LEAVE IT FOR ME TO TRY IN MY OWN WAY?*



Your local Hoover dealer's neighborhood representative will gladly bring you a Hoover Cleaning Ensemble for a no-obligation home trial. Prices, for cleaner only, as low as $52.50. Terms as low as $1.00 per week, plus small carrying charge, payable monthly. The Hoover Company, Factories: North Canton, Ohio; Hamilton, Ont.

HOOVER *Years ahead!*

REG. U. S. PAT. OFF.

This One

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"PROTECTING THE AMERICAN HOME"



On a cold night in 1777 two Vermonters, Richard Wallace of Thetford and Ephraim Webster of Newbury, swam across Lake Champlain and through the British fleet to deliver important dispatches from Ticonderoga to Mt. Independence.

They Risked All For Independence

Independence is seldom attained without effort. Take the case of your own desire for financial independence. Are you willing to plan for it? If you are not, don't read further.

Three Questions

Take a pencil and paper. Jot down the answers to these three questions:

1. What part of your present income would you like to have continued for your own benefit later on?
2. What is your present financial plan to guarantee this income?
3. What part of your present income will continue without your earning power?

Most men lack income for their retirement years because they leave all to chance — *they either fail to make a plan, or making one, they fail to live up to it.*

It is not too late

Even if you are in your forties or early fifties, it is not too late to set up a plan for financial independence. But don't delay. The earlier you start, the more income you will have later. Call in a National Life man. He will help you lay out a plan within your means. Or, use the coupon below.

NATIONAL LIFE INSURANCE COMPANY

HOME OFFICE— MONTPELIER, VERMONT

A Mutual Company, founded in 1850, "as solid as the granite hills of Vermont"

CLIP AND MAIL THIS COUPON

NATIONAL LIFE INSURANCE CO., DEPT. 115, MONTPELIER, VERMONT

I can save ($1) ($3) ($5) ($10) per week. What will my retirement income be at age (55) (60) (65)?

Name.....*Date of Birth*.....

Business or Home Address.....

LETTERS TO THE EDITORS

Credit for the Navy

Sirs:

I have just looked over your treatment of the "California Naval War: 1847" (LIFE, Aug. 28).

I was sorry to see you give the impression in your editors' note that California was conquered by an American army, particularly because that is the almost universal impression. As a matter of fact, California was conquered by naval forces almost exclusively in the Mexican War and I feel that the Navy has been done a great injustice through all these years in that respect.

You say: "The Navy gave the meager troops a mobility which enabled them to defeat a much larger number of Mexicans." That is entirely true but it is not true, as you infer previously, that the larger portion of the troops comprised soldiers. For example, in the final and decisive campaign against Los Angeles, General Kearny had with him only 60 effective soldiers, whereas Commodore Stockton who commanded the entire forces including General Kearny and his 60 soldiers, had nearly 500 sailors and marines, the principal part being sailors from the ships.

With these exceptions I think LIFE has done very well with the matter and I feel that it is a good public service to bring it to the attention of the public.

D. W. KNOX
Captain, U.S.N. (Ret.)
Officer-in-Charge

Navy Department, Office of Naval Records and Library
Washington, D. C.

Incredible Nerve

Sirs:

After gorging myself with a box of popcorn, I managed to stay awake through *Lady of the Tropics* (LIFE, Aug. 28) and feel in justice to Robert Taylor (and not through any idol worship) that he should be complimented on his acting. He was anything but a "wooden leading man." The title goes to Hedy. She was putrid!

Hedy should stay at home and be a nice little wife to Mr. Markey.

MRS. WALTER D. PAULI

Carlsbad, N. Mex.

Sirs:

The incredible nerve of anyone calling Mr. Taylor a "wooden leading man."

MARTHA T. BORDEN

Clarksdale, Miss.

Sirs:

Whoever writes your articles on movies must be a first-class dumbbell.

This "writer" calls Robert Taylor a wooden leading man. I can understand that. He's probably a homely, bow-legged, ignorant lug himself, so naturally he would hate handsome Robert Taylor.

V. OLIN

Charleston, W. Va.

● The professional peculiarities of Robert Taylor and the personal peculiarities of LIFE's movie reviewer are not interrelated.—ED.

Forest Detective

Sirs:

As a forester I could not help but notice the little Scotch pines growing beside the German mortars in the picture on page 9 of your Aug. 28 issue. One is led to believe that these pieces of artillery are lined up against the Polish border with their crews ready for action. However, the condition of the pine trees proves beyond a doubt that the picture was taken not during the August Crisis, but way last spring, probably in June. The terminal buds are just beginning to expand.

GORDON R. HEATH

U. S. Forest Service
Bena, Minn.

● LIFE said the pictures were released, not taken, during the Crisis. Mr. Heath is a good detective.—ED.

Haunting Service

Sirs:

Until now I have always reposed faith in LIFE's pictures but am constrained to



"THE ANGEL"

doubt the authenticity of the Sept. 4 issue pictures of "The Angel."

If he is real, how much would he charge to haunt a house?

DAVID C. PETTIT

Las Vegas, New Mex.

● The Angel is already very profitably employed as a wrestler.—ED.

Polish Protest

Sirs:

Your article in LIFE for Aug. 28 is offensive to intelligent readers who seek facts, and especially to Americans of Polish descent.

The title is uncomplimentary. You have deliberately used the term "Nationalism" rather than patriotism—if you mean patriotism. One hundred fifty years of subjugation have taught Poland to love liberty more intensely than ever. . . . Poland must have more than "Nationalism and General Mud" as her allies; people are not willing to die for such allies.

You say that Poland is not a democracy. History proves that she is one of

(continued on p. 4)

YOUR ADDRESS?

IS the address to which this copy of LIFE was mailed correct for all near future issues? If not, please fill in this coupon and mail it to LIFE, 330 E. 22nd Street, Chicago, Illinois.

Effective ____ (DATE) my mailing address for LIFE will be:

NEW ADDRESS → Name ____ (PLEASE PRINT)
Address ____
City ____ State ____

OLD ADDRESS → Address ____
City ____ State ____

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NEW – SENSATIONALLY SMART TIMEPIECES

75th Anniversary Series

Lord Elgin  Lady Elgin

The most significant watchmaking achievement in decades... for styling and accuracy. Your jeweler is showing these newest Elgins now.

A PROUD MOMENT awaits you—when first you place one of these new Lord Elgins or Lady Elgins on your wrist. Their dignity, alert smartness and accuracy will mark you as one who knows fine things.

Even more satisfying to you will be the knowledge that you possess a timepiece sincerely right in every detail. One that has been created to new and incredibly exacting standards . . . and awarded the Elgin Observatory Certificate for outstanding accuracy.

The Lord Elgins are 21-jeweled—the Lady Elgins 19-jeweled. Tiny parts have been fashioned precisely to 1/10,000 of an inch. "Drive" wheels are covered with 24K gold. Large surfaces are protected with rhodium, four times as costly as platinum. Dials are sterling silver.

The new Lord and Lady Elgins are more than fine timepieces. They are the highest expression of the American watchmaker's art. They have been made possible by the unique 75-year-old partnership of craftsmanship and science which exists only at ELGIN.

The new Lord Elgins are priced from $50.00. Lady Elgins from $47.50. See them at your ELGIN jeweler's now



SMART—MODERN
this unusual Lord Elgin selected by Robert Fulton. 21 jewels in a striking new 14K rose gold-filled case with flexible loops to snug the wrist. No. 3535
$55.00



Lady Elgin. Dainty, distinguished. 19 jewels. Solid 14K natural gold case. No. 3905
$55.00



Lord Elgin. Solid 14K natural gold case. Dust-proof innercase. 21 jewels. No. 3503
$100.00



Lady Elgin. Tastefully decorated. Free-moving metal loops. 19 jewels. No. 3906
$47.50



Lord Elgin. Trim, modern cylindrical design at either end of case. 21 jewels. No. 3527
$55.00



Lady Elgin. New, distinctive case with flexible loops. 19 jewels. No. 2959
$50.00



Lord Elgin. Handsomely styled in the ever-popular round shape. 21 jewels. No. 3831
$50.00



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ELGIN

FOR 75 YEARS A TRADITION IN DISTINGUISHED AMERICAN FAMILIES

In celebration of Elgin's 75th Anniversary, the Elgin Watch Building has been erected at the New York World's Fair. Visit this exciting exhibit and see how time is taken directly from the stars.

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LETTERS TO THE EDITORS

(continued)

the oldest democracies in the world, older than the Swiss Republic.

You say that Poland "stabbed the Czech democracy in the back." You evidently do not know that the Czechs took that territory from Poland 20 years ago when Poland was involved in a death struggle with Bolshevik hordes.

You refer to Smigly-Rydz's "alias," generally considered an objectionable epithet. In Polish grammar, the adjective may be used before or after the noun. For example in Polish it matters not whether one says General "Stonewall Jackson" or General "Jackson the Stonewall." It is just so with "the agile—Rydz" or "Rydz-agile," an epithet which has stuck since the World War. The Polish Government has requested the General to prefix "Smigly" the Polish for "agile." Your reference to his "Wartime whiskers" is in exceedingly bad taste at a time when his country of 35 million people faces death.

Your failure to mention that Poland has a President—Ignacy Moscicki, a former University professor and scientist—seems deliberate and designed to conceal the fact that Poland is a Democracy.

POLISH AMERICAN PARTICIPATION COMMITTEE, INC.
New York, N. Y.

● LIFE has only the deepest sympathy and admiration for the Polish nation in its hour of tragedy. LIFE cannot agree that Poland is a democracy nor that Poland was blameless in seizing part of Czechoslovakia, however good her claims, at such a critical moment. But the other statements to which the Polish Americans object were not meant as slurs and the article as a whole was friendly.—ED.

Youth on Fashions

Sirs:

Your article on Fashions for Youth (LIFE, Aug. 28) is slightly screwy. In the first place, an average girl of today gets her first evening dress when she is 12 and not 15. You evidently don't know much about the boy of 15 either, for he tries very hard to be sophisti-



GLITTERBUG AND SIREN

cated and would certainly fall for the girl in the "siren" effect (*see cut, right*). Admitting we like your "glitterbug" compromise we can't imagine any girl wearing it with that sweet and innocent smirk on her face (*see cut, left*).

But you have a swell magazine anyway.

AURELIA McINTYRE
CAROL SKINNER
(aged 15)
Cincinnati, Ohio

Sirs:

We disagree with your idea on what a 15-year-old girl will wear this year. We have had formals since our first dancing-school party three years ago. "A little bit of lipstick, a touch of powder, cologne (not perfume) with moth-

(continued on p. 6)



• Here is a new glass for sports, nature study, sight-seeing—an instrument that fills the need for a fine field glass with wide field of view and brilliant, sharp image, but with light weight and compact size. Slip the Balar into your pocket or hand bag; keep it handy for a quick, clear view. Ideal for football, at the theatre, for all spectator use. At your dealer's, or postpaid $19.50

Bausch & Lomb field glasses and binoculars are $19.50 to $132. Write for catalog.

BAUSCH & LOMB
937 LOMB PARK ROCHESTER, N. Y.

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Advertisement

Birth of Glamour

Candid Camera Shows How Any Woman Can Glorify Her Natural Facial Charm

Not every face possesses classic beauty—but every face *can* possess individual charm . . . Charm of well-cared-for skin . . . Charm of features subtly enhanced by artful make-up.

The candid camera gives a picture story of Mrs. Dorothy Maynard of Montclair, New Jersey, learning how to bring out her latent facial charm.

Here is a woman whose *potential* complexion loveliness is clouded by obvious lines around her eyes and mouth and by dry, tired looking skin . . . Her faulty make-up obscures her good features and emphasizes the less lovely ones . . .

See how this busy mother of two discovers the simple, easy way to retard age signals by proper skin care — learns the art of highlighting her best features . . . Mrs. Maynard is just one of the many thousands who have found the *Elmo way* to a lovelier self during the 32 years Elmo has cared for the complexions of discriminating American women.

☆ ☆ ☆



Mrs. Dorothy Maynard, looking every minute her age, stops at an Elmo department store counter. The Elmo cosmetician suggests an Elmo "treatment" and facial "styling."



Study Your Face! How dry and tired Mrs. Maynard's skin looks! Ill-advised use of make-up emphasizes the width of her cheek bones and fails to bring out her fine eyes and well-modeled mouth.



Proper Cleansing All-Important! The precious oils of Elmo Ultrae Cleansing Cream are worked into the skin . . . Tissued off . . . Then Elmo Skin Freshener rinses away every vestige of oil.



To Retard Age Signals, to help keep skin *supple*, a brisk patting of Elmo Texture Cream at night. "And a Margo Masque once a week to help firm and refine the skin."



Make-Up Must Be Subtle! And *never* applied without a powder base . . . Elmo's Ralo Lotion is a perfect base for day-long make-up. And it protects the skin against sun and wind!



A lovelier Mrs. Maynard
Skin looks soft, fresh, *younger* . . . Wisely applied make-up emphasizes the eyes, softens the facial contours. She has that well-cared-for look *any* woman may have who spends a few minutes daily with Elmo essentials to skin beauty.

Bring Out the Lovelier You!

For beauty's sake take advantage of Elmo's Special Introductory Offer featured at leading department and drug stores . . . For a *limited time only* you can get a generous supply of *five* celebrated Elmo products for the absurdly low price of $1 . . . Elmo Ultrae Cleansing Cream, Skin Freshener, Texture Cream, Margo Masque and Elmo Ralo Lotion . . . Ask for the Elmo SECRETS OF LOVELINESS KIT. If your store does not feature it, fill in the coupon and mail it with $1 to Elmo Cosmetics, Philadelphia, Pa.

Elmo



Elmo Cosmetics.
Dept. L-101, Philadelphia, Pa.

Enclosed is $1. Please send me Elmo's SECRETS OF LOVELINESS KIT containing 5 Elmo Essentials to Skin Beauty.

Name_____

Street_____

City_____ State_____

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1000 YEARS OF PLEASURE FOR $100

$100 will buy a lot of things—some of them foolish, some of them fun, some of them appallingly short-lived.

But $100 will also buy one of the loveliest and most lasting possessions a family can ever own—something even your children's children will enjoy and remember you by.

For $100 now buys a whole chest of International's beautiful solid sterling—the kind you've always dreamed about. You get enough pieces to set *six places*—6 cream soup spoons, 6 knives, 6 forks, 6 salad forks, 12 teaspoons—36 handsome pieces in all, in the new walnut-finish "Romance Chest."

And this enduring sterling is one possession you need never replace. Measured in years of use and service, it's by far the most economical thing you can buy.

Your jeweler has this International Sterling Gift Chest in the distinguished group of Romance patterns shown below—the new rose-carved *"Prelude"*; the lovely *"Enchantress"*; the classically simple *"Minuet."* Make your choice, start enjoying a lifetime of sterling—this very week!



The Romance Chest with service for six.

INTERNATIONAL STERLING

**Master Craftsmen for Five Generations*



Patterns that will never become "dated"—the new rose-inspired **Prelude**



—the delicate floral charm of **Enchantress**



—the lovely curved **Minuet,** from old New England

*COPR., INTERNATIONAL SILVER CO.

LETTERS TO THE EDITORS

(continued)

er's consent!" Not only the girls laughed at that but you should have heard the boys. We may be young to you but we resent your implying that we're just out of rompers.

KAY O'KEEFE
JO GRANT
LUCY McCORKLE

Saginaw, Mich.

P.S. However don't think we approved of the slinky black dress, because no girl in her right mind would want that.

Sirs:

I dare any boy to come to school wearing your regular "he-boy" Eton suit, if he does not want to be greeted by jeers such as, "Hy Dude," etc.

ADRIAN ("BUDDY") DICK
Milwaukee, Wis.

Old Cronies' Argument

Sirs:

Thank you for the piece about me in the magazine. I most warmly appreciate the friendliness that prompted it and I'd like to bear testimony that the



members of your staff whom I have met work like Trojans at the assignments you give them.

I wonder where on earth you got the Capri prison picture (*see cut*) and I can only conclude it was from Julian, and I suspect him of doing the mis-labeling, too. He was the monkey behind the bars, not I. I was the fat feller outside: but nobody'd guess it.

The terrible-tempered Roberts says the article was a "cracker-jack humdinger!"

BOOTH TARKINGTON
Kennebunkport, Me.

● LIFE put this up to Julian Street, who replies as follows:

Sirs:

I can perfectly understand Booth Tarkington's having denied that the snapshot I lent LIFE, showing him posed (playfully) behind the bars of an abandoned barracks in Capri, was a picture of him. If he could get away with it, he would probably deny the authenticity of every other photograph that has been taken of him. I shouldn't blame him for that. But when he writes to you that this photograph of him is a photograph of *me*, that is defamation, and if, as you stated in your article about him, Tarkington is a millionaire, I shall know what to do about it. I have always wanted to be defamed by a millionaire.

JULIAN STREET
Lakeville, Conn.

● Somebody is obviously pulling LIFE's leg and LIFE suspects Mr. Tarkington.—ED.

Sirs:

Many thanks for a slice in a good story and for not providing me with anything to be irascible about.

KENNETH ROBERTS
Kennebunkport, Me.

SWAPS GOLD MINE FOR A CAN OF PIPE TOBACCO

Many years ago we published a letter from a gold prospector in far off Alaska. It was written in lead pencil on the back of a map—and told the queerest story we've ever heard about a pipe-smoker's love for his favorite "baccy".

Browsing through our files the other day we discovered this old-timer's letter—yellow with age, and decided to write and find out whether he still smoked the same brand. Here's his reply:

Fairbanks, Alaska
May 28, 1939

Gentlemen:

You sure have some memory. I'd hate to have you mush on my trail should you have blood in your eye. I'd have to do some sidestepping to get rid of you.

I have never forgotten swapping a gold claim that had an unknown fortune in it for a can of Edgeworth tobacco though more than thirty years have been spun on the web of time since then.

I value a thing by how much I crave it, and not by its actual worth in the commercial world. I've never regretted the trade. Like the shattered vase that poet guy wrote about, the incense of the contents of the can o' Edgeworth still lingers in my nose.

You ask me if I still smoke Edgeworth. What a question. I surely do, though I've passed my eighty-fourth milestone. Edgeworth is a pleasure I'll never pass up as long as I can toddle on God's footstool.

It's a brand of "baccy" beyond compare.

Sincerely,
WILLIAM W. CRAIGIE

You probably have many more years of smoking pleasure ahead of you than Mr. Craigie.

Maybe you've already found The Perfect Tobacco that just suits you to a T. If so, there's no sense in experimenting further.

But if you are still in the "looking 'em over" stage, why not take a chance and get one of those convenient blue Edgeworth tins next time you drop in at your tobacco dealer's.

Or if you would like to try our Edgeworth plan just drop us a post card. Here's a letter from a smoker who—well, read it and see for yourself:

Marblehead, Mass.
July 16, 1939

Dear Sirs:

For the past ten years I have tried to smoke a pipe but could never enjoy it long enough to become what you would call a pipe smoker.

However, since I received your "plan" about a year ago I have been smoking Edgeworth steadily ever since and have enjoyed every pipeful right to the bottom of the bowl.

Now I am a member of the great pipe smoking fraternity and do I enjoy it!

Yours truly,
WILBUR T. MOULTON

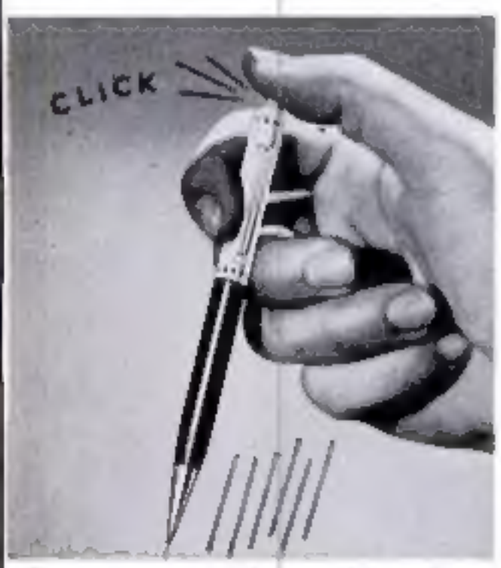
A postcard inquiry to Larus & Brother Company, Dept. LIFE 220, Richmond, Va., will bring you complete details of the Edgeworth Plan.

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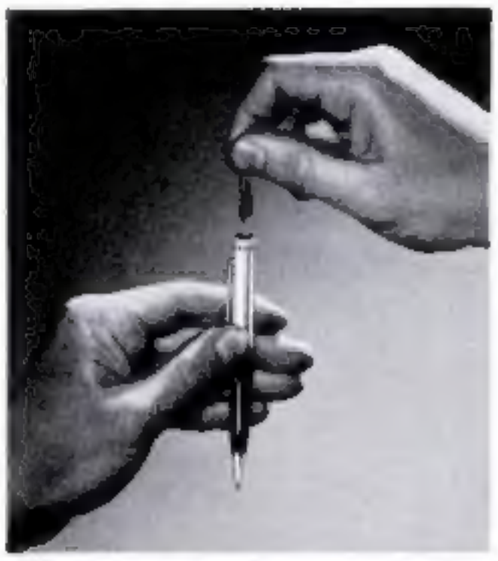


Swell gifts for school-bound lads and lasses

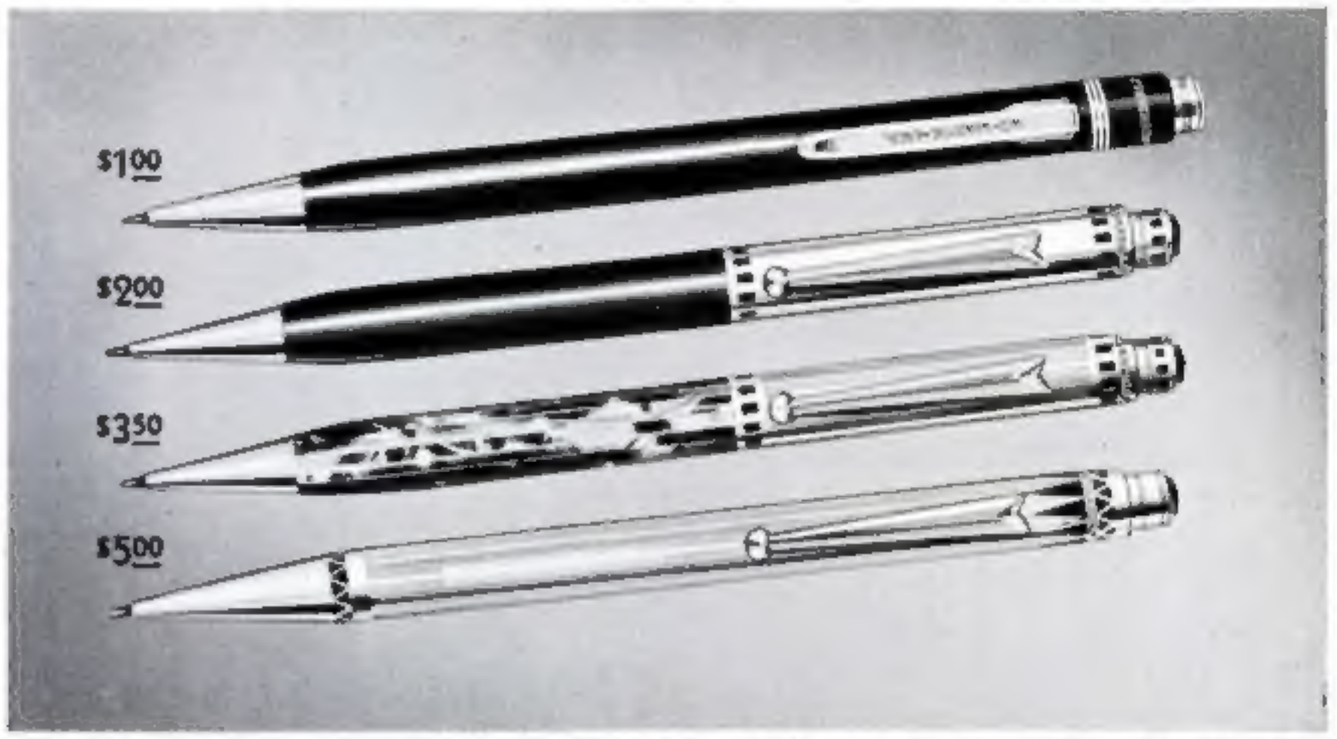
Are gifts that help them in their classes!



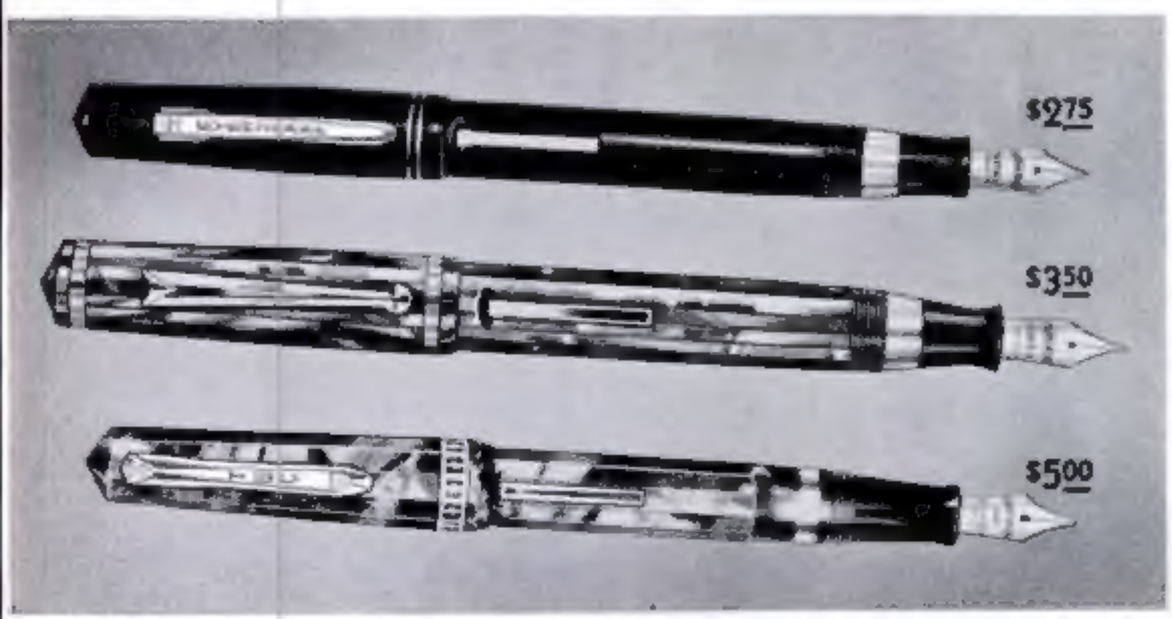
1. A big help is the new Eversharp Repeating Pencil—the pencil you sharpen with your thumb! For a new point, or a new lead—just press the top with your thumb!



2. Fills in half a minute—and writes for half a year! Just lift off the top and drop in enough lead to last the average writer for six months. Nothing to adjust, unscrew or regulate!



3. It's the handiest pencil made—and the handsomest! The new Eversharp Repeating Pencil comes in many striking combinations of colorful pyralin and rhodium or gold—costs $1 to $50. Shown are models in black alumilite—$1; black pyralin and rhodium, $2; golden-brown satin pyralin and gold-filled—$3.50; full-length gold-filled with black or dubonnet pyralin trim, $5.



4. Eeeny, meeny, miny, mo! Pick any one of these three Wahl-Eversharp pens, and you'll have the outstanding pen at its price! Top: the "Air-lite," jet-black, silver-gray, or green pyralin with silvery trim, $2.75. Center: the "Pacemaker," in blue, green, gold-satin or black pyralin, with ink-view window and lever-vac fill—$3.50. Bottom: The exclusive Doric pen, in six beautiful colors, gold-trimmed, with one-stroke fill, visible ink supply—$5. All three have 14K gold, iridium-tipped points of extra writing smoothness.



5. Handsome and unusual—is this leather-covered desk set. In the streamlined humidor is a Wahl-Eversharp desk pen which holds an amazing amount of ink, has a smooth-writing, 14K gold, iridium-tipped point. A swell gift—for only $5!



6. The perfect gift pen—is this Wahl-Eversharp with the new Self-Fitting Point. It comes in the exclusive Doric design—is guaranteed for life—has a matching Eversharp Repeating Pencil. Set—$11.50. The Wahl Company, Chicago, Illinois.

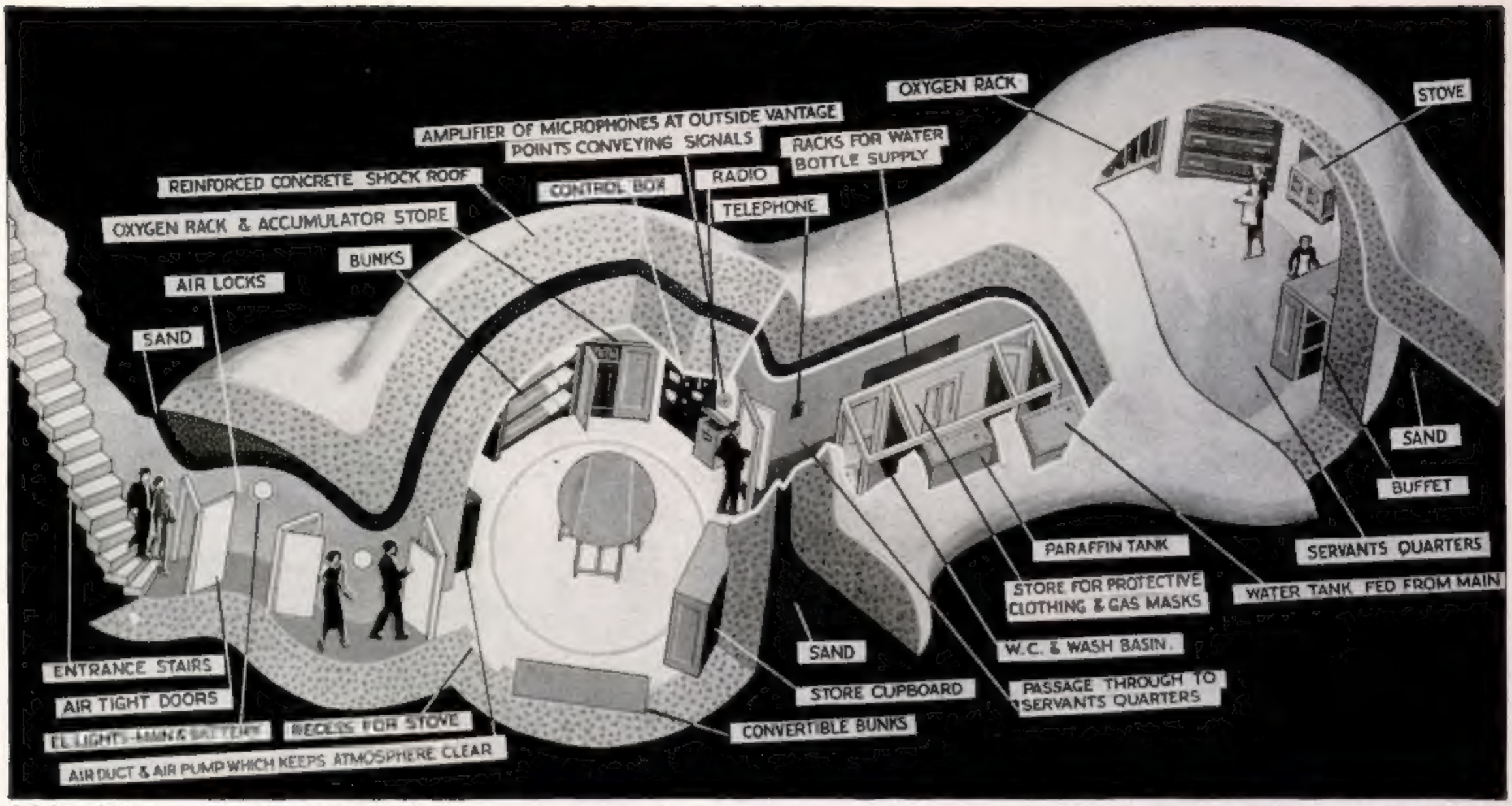
Ask for

WAHL-EVERSHARP

FINE PENS • PENCILS • DESK SETS

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SPEAKING OF PICTURES . . .



A de luxe shelter now being built at Wimbledon with servant quarters is fitted for 25 persons. Reinforced with 400 tons of concrete, its curved top might even deflect a direct hit. It is entered through three splinter-&-gasproof doors and two air locks where clothing may be decontaminated. Air duct and pump clean air, keep inside pressure up, gas out.



A basement room may be gasproofed as in this Home Office drawing. Basement should have two exits in case one is buried, and small windows on opposite side from prevailing wind, covered within and banked without by sandbags. If occupants remain quiet, conserve oxygen, a 10 x 8-ft. basement room will accommodate five persons for twelve hours.

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. . MEN GO UNDER GROUND TO LIVE

Thirty-six million Englishmen live in cities or towns where air raids are now a momentary danger. Sirens shriek at any hour of the day or night and even if enemy planes are sighted as soon as they reach the English coast, Londoners have only about ten minutes to reach air-raid shelters in safety. The outbreak of war found England with far too few public and private shelters. For low-income families (under £250) the Government has installed 1,150,000 family shelters, made of steel sections and half-buried in gardens and piled with sand. These would take care of 6,960,000 persons. They are splinterproof against 500-lb. bombs 30 ft. away but are not secure from direct hits or from gas. Other citizens, factories, offices have built their own shelters, some quite elaborate.

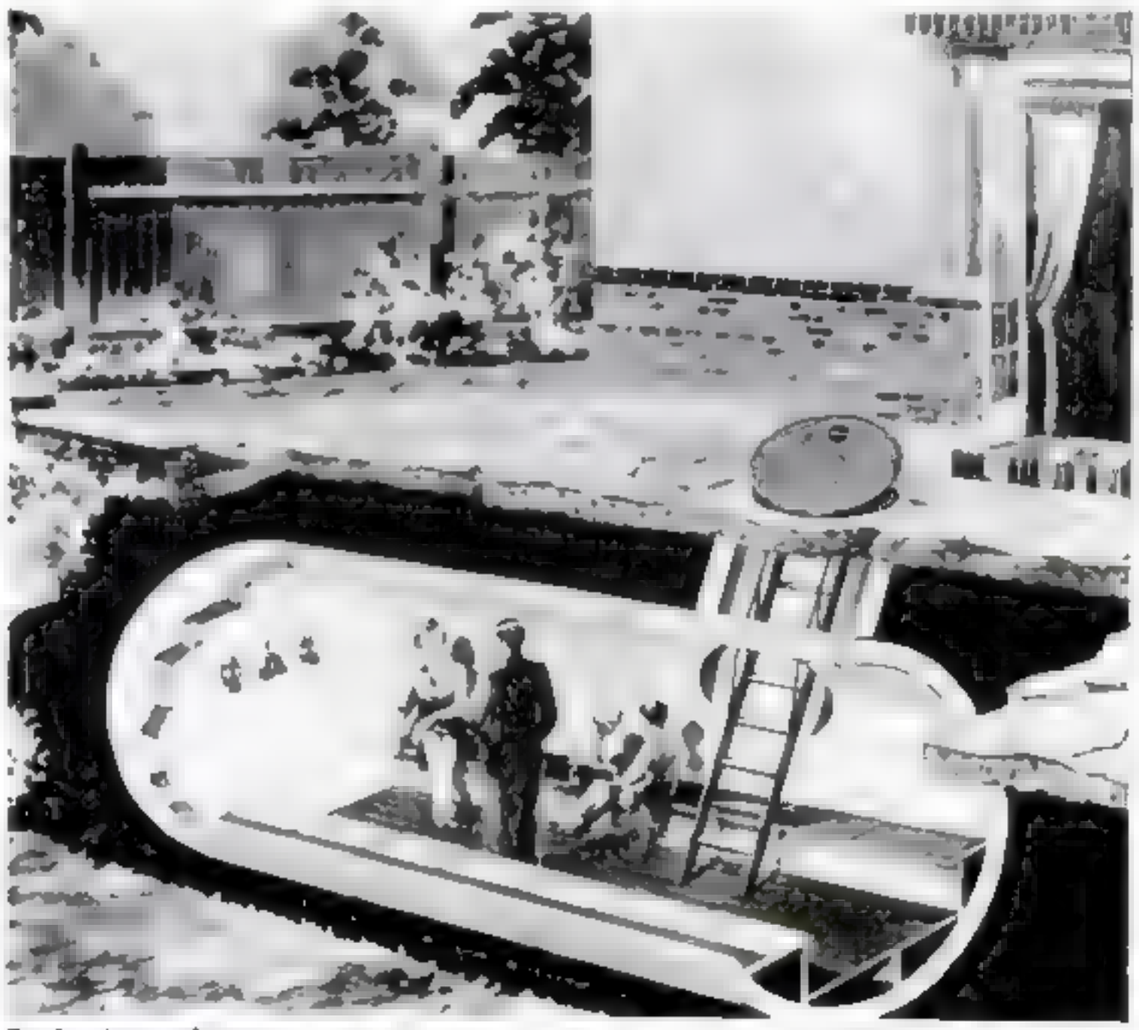
LIFE here shows some of the designs for living underground, as illustrated by Home Office bulletins and private contractors. For publicity, turn the page.



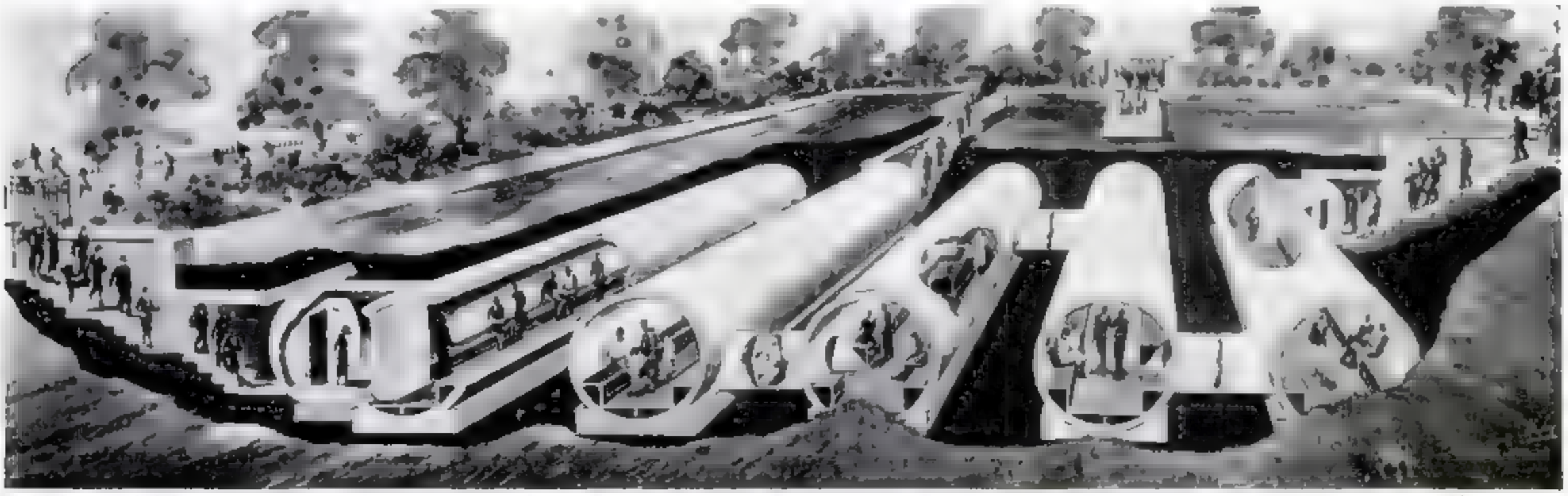
Reinforced concrete basement is included in architect's design for a new house. In raid, the window is shut tight. Recommended for easy access from house proper, basement is built to protect occupants if the house should collapse.



"Dual-purpose" room is the euphemistic name for this ground-floor chamber serving as a spare room or air-raid shelter. Note the chest for reserve food, medical kit and gas masks.



Garden-type refuge is best and most economical where space permits. Made of pre-cast concrete sections, entirely below ground, it is entered by air-tight manhole, lacks air lock.



Multiple concrete tubes make up this connecting public refuge for school grounds, squares (e.g. Hyde Park), for those abroad in streets or whose homes are not suited for shelters. Each tube houses only 50 people to localize explosion effect. London's public shelters suffice for 15% of the daytime population. Others must seek safety at home or work.

SENADOR

Enrique Recio

LEADER OF THE LIBERAL PARTY

REPUBLIC OF CUBA *says:*

"You ask me if your new WHITE OWL cigars taste like the Havanas that I smoke regularly? The answer is yes and no. The Havana tobaccos which you have blended into your cigar give it a real Havana taste—yes. But my Cuban cigars are much heavier, a stronger smoke. But then it may be that Americans do not want a heavy cigar—in which case your WHITE OWL gives them the real Havana taste in milder form."

A brand new Blended-with-Havana cigar *—approved by Havana itself*

DOWN IN HAVANA, they really know the taste of Havana tobacco—you can bet on that. So we took the new Blended-with-Havana White Owl down there to test it. We selected prominent Cubans—real connoisseurs of cigars . . . gave them some of the new White Owls to smoke. Without exception, they all praised the rich Havana flavor of this new cigar.

We feel awfully proud of this new cigar. We're proud of the Havana tobacco we use in it . . . it's a really good grade. Does that sound unbelievable for a 5¢ cigar? Well, we are America's largest buyers of Havana tobacco, and we know what we are talking about. Fact is, it's the same type of Havana tobacco that is used in popular cigars costing 10¢ and more. And there's a generous helping of this tobacco in *each* White Owl, too.

We could go on and on telling you about the new White Owl, but the only way for you to find out how good it really tastes is to smoke one. If you enjoy a good cigar, try one of the new White Owls today. Your taste will tell you why it wins the honors—even in Havana.



New INVINCIBLE

New CLUB HOUSE

Your choice of 2 shapes

Another "10¢" feature—now yours for 5¢ . . . a choice of shapes to suit your smoking taste. A long, trim, new *Invincible*. And a rich, full-bodied, new *Club House* shape. You get the same amount of tobacco—the same mild blend in either size—only the shape varies.

SEE HOW THE NEW, WHITE OWLS ARE MADE—NEW YORK WORLD'S FAIR, 1939

ENYWF

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BLENDED *with* **HAVANA**

New WHITE OWL-5¢

SPEAKING OF PICTURES

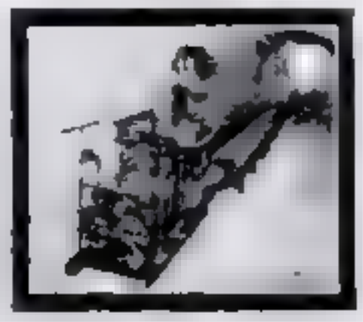
(continued)

Manufacture of air-raid shelter materials has become an important British business. Private citizens, employers of 50 or more (required by law to supply shelters), have a wide choice of firms. Typical are the advertisements below from the *A.R.P. News*

CAUGHT IN A TRAP

It would be a serious matter
— IF —
Poison Gases Entered Your Shelter.
Escape would be impossible
YOU WOULD BE TRAPPED.

VENTILATION AND FILTRATION PLANTS
ACTIVATED CARBON

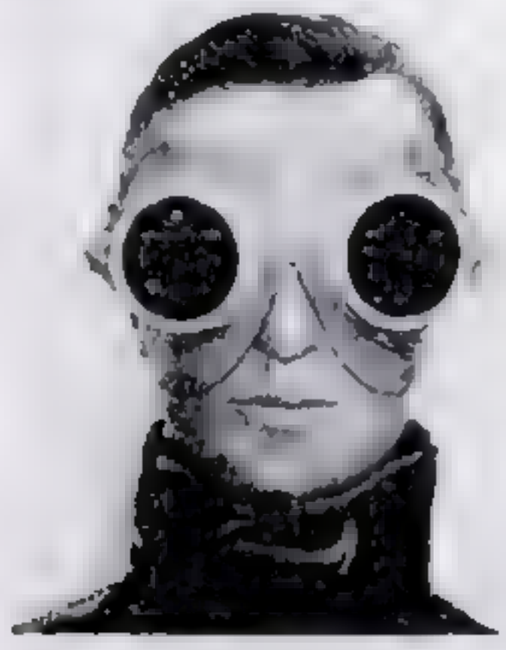


A.R.P.



STEEL FOR SECURITY

BROADSIGHT A.R.P. GOGGLE



Has been specially designed for use when dealing with Incendiary Bombs or other brilliant combustion

FOR BLACKOUTS
SHELTER LINING
DECONTAMINATION SHEDS etc.
USE

PRESDWOOD





IMAGINE those clerks telling *me* I needed a size 20 dress when I've never worn over 18 in my whole life!

I blew up to John about it, and he said, "Maybe you need a new corset. Why don't you try this 'press and lift' test right now?"

"GO AHEAD! *Put your hands on your stomach and press down hard."* I did. And it *felt* awful! That same cramped, squeezed-in feeling you so often get with a new corset.

"Now lower your hands and lift up," read John. My goodness! I felt like a new woman! "For heaven's sake," I said, "where's the phone book? I'm going to make a date with the Spirella Corsetiere now!"

When the Corsetiere called, she slipped me into her Patented Modeling Garment to show exactly how I'd look and feel in a Spirella. I was two inches slimmer! Then she took measurements of my *new* figure.

THEY CAN'T TELL ME I'm size 20 now! I'm so happy about my new Spirella I don't even mind John's "I told you so!" (He knows all about it now and talks like a medical dictionary. "You look and feel better," he says, "because Spirella design starts under the abdomen, where nature's support begins. It supplements natural upward muscular pull from front to back.")

And he's right! The flexible stays let me wear my Spirella all day to do housework, and I'm fresh as a daisy at night. I wouldn't be without it!

DON'T BUY A NEW DRESS till you've seen what Spirella can do for your comfort and your figure that no other corset can.



I never dreamed I could have a corset cut and styled to my own figure for so little money. And it's kept its shape for months!

Let the new fall fashions come! I'm ready for any of them with the streamlined figure my Spirella gives me.

FREE BOOKLET... 16-page illustrated booklet on "The New Art of Figure-Grooming". Hints on diet, exercise, dress and facts about figures. Phone Spirella in your community, or mail the coupon today.



LOOK BETTER WITH

Spirella

FEEL BETTER, TOO!

OPPORTUNITY FOR AMBITIOUS WOMEN
30 to 45. Build up permanent profitable business of your own. Check here for details ☐

Spirella, Dept. F-4,
Niagara Falls, N. Y.
(Canadian Factory: Niagara Falls, Ont.)

Please send me your free illustrated booklet, "The New Art of Figure Grooming" without obligation.

Name _____

Street _____

City _____ *State* _____

LIFE'S PICTURES



The barefooted young man above is LIFE's photographer Carl Mydans, perched on the bow diving plane of the submarine *R 14*, taking pictures for the submarine story which appears on pages 64–73. Mydans took his pictures in the waters of Long Island Sound, off New London, Conn., where the *R 14* is based. He went down in dives with the boat, found that the men made the best camera subjects while under water. They were so absorbed in the tense work of manning their stations that they forgot all about the presence of a camera.

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A SPECIAL SHAVE CREAM

IT'S NOT A SOAP
NEEDS NO SHAVING BRUSH
Not Greasy . . . Leaves Skin Smoother

Daily shaving leaves many men's faces raw, sensitive. This is especially true of the man who, because of his business and social status, must shave every day.

To meet this condition Williams has now developed a special cream for daily shavers. It's called Glider. Wash face thoroughly with soap and warm water to remove razor-dulling grit, then spread on Glider quickly, easily with your fingers. No brush. No lather. Not sticky or greasy.

A superabundance of moisture in this rich cream softens each whisker, yet forms a protective layer over your face to keep blade from scraping. Swiftly and gently your razor glides over your skin. Like a cold cream, Glider helps smooth and soften your skin and prevent chapping and roughness. Glider is the result of nearly 100 years' experience in making fine shaving preparations.

Ernest B. Williams
PRESIDENT

P. S. *Try Glider at our Expense:*
Send your name and address on a penny post card, for a generous FREE tube of Glider "No-Brush" Cream. The J. B. Williams Co., Dept. LG-34, Glastonbury, Conn. ***Offer good in U.S.A. and Canada only.***

TO THE MAN WHO OWNS A $15 PIPE

THERE is a pride of ownership in possessing a fine pipe that transcends all monetary considerations. It is an almost spiritual satisfaction—something akin to the feeling one derives from owning a rare edition or the work of an old master.

To fill the bowl of a beautifully grained briar with ordinary tobacco is sheer *sacrilege*. A fine pipe deserves the best tobacco, and discerning smokers the world over have made CRAVEN MIXTURE their unfailing choice.

For this is a tobacco in the true English tradition, unlike any other you have known. A blend of bold and delicate flavors . . . mellow as old brandy, cool and slow-burning, with a fragrance and aroma that challenge the senses.

Created three generations ago by the celebrated Carreras of London, for the fastidious palate of the third Earl of Craven, CRAVEN MIXTURE has since become the most widely-distributed pipe tobacco in all the world.

Today, at the better American clubs, hotels and tobacco shops, CRAVEN MIXTURE awaits your pipe and pleasure. Try the 1½-ounce tin to begin with; it is airtight and handy for the pocket.



CARRERAS, Ltd., London, Eng.
Sole U. S. Agents: Faber, Coe & Gregg, New York, Chicago

IF YOUR DEALER CAN NOT SUPPLY YOU, MAIL THE COUPON

CARRERAS, Ltd., Dept. EL, 247 Park Ave., N. Y. C.

I was unable to get Craven Mixture from my local dealer. I enclose 35¢ in stamps for 1½-oz. tin.

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City _____ *State* _____

Vol. 7, No. 12

LIFE

REG U S PAT OFF.

September 18, 1939

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CONTENTS

THE WAR

Germans Beat British-French in First Week of Propaganda . . . 15
Major Eliot Reports on the Polish Campaign . . . 16
German Tanks Push Poles 150 Miles in Seven Days . . . 18
French vs. The Westwall . . . 20
Generals Gamelin and Gort Lead Allies in War . . . 22
The Western Front . . . 23
Sinking of the "Athenia" . . . 24
American Neutrality: Legion Commander Says Stay Out of War . . . 26
LIFE on the Newsfronts of the World . . . 28

THE PHOTOGRAPHIC ESSAY

Submarines: Germany's Commerce Raiders Resemble U. S. Navy's "R 14" . . . 64

CLOSE-UP

The Week the War Began: A Retrospective Close-up . . . 74

SCIENCE

Beltsville: Research Center Helps Farmers Grow Food for World at War . . . 75
Germans Live Substitute Lives . . . 48

MODERN LIVING

Postilion Hat is Season's Dark Horse . . . 31
Girls Legs on Campus Go Scottish . . . 32
Sidney Waugh Designs America's Finest Modern Glass . . . 34

MOVIE

Gloria Jean Makes Good as "Second Deanna Durbin" . . . 36

SPORTS

Ted Allen Wins Horseshoe Meet . . . 38
Girls Shoot in National Target Matches . . . 40

ART

London Moves Its Art Treasures From Range of Enemy Bombers . . . 61

OTHER DEPARTMENTS

Letters to the Editors . . . 2
Speaking of Pictures: Air-Raid Shelters . . . 6
LIFE Calls on Winston Churchill . . . 62
Pictures to the Editors . . . 68

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LIFE'S COVER. The gas-masked British gunner on the cover is sliding a clip of four anti-aircraft shells into the breach of a 40-mm. (1.7-in.) Bofors gun made in Sweden. This gun is for defense against low-flying planes. It is usually hand-aimed by the gun crew, though it may also be aimed by predictor mechanism. Its supersensitive shells, effective up to two miles and fired at the rate of 120 a minute, must make a direct hit on the plane to explode. These superb little guns will doubtless be manned by factory crews in British industrial areas.

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SEE YOUR DENTIST EVERY 3 MONTHS!

Nowadays smart folks go every 3 months to their dentist. In the long run, this not only saves dental bills and needless pain, but it enables your dentist to keep a close watch for any gum disorders that so often result in terrible suffering and loss of teeth.

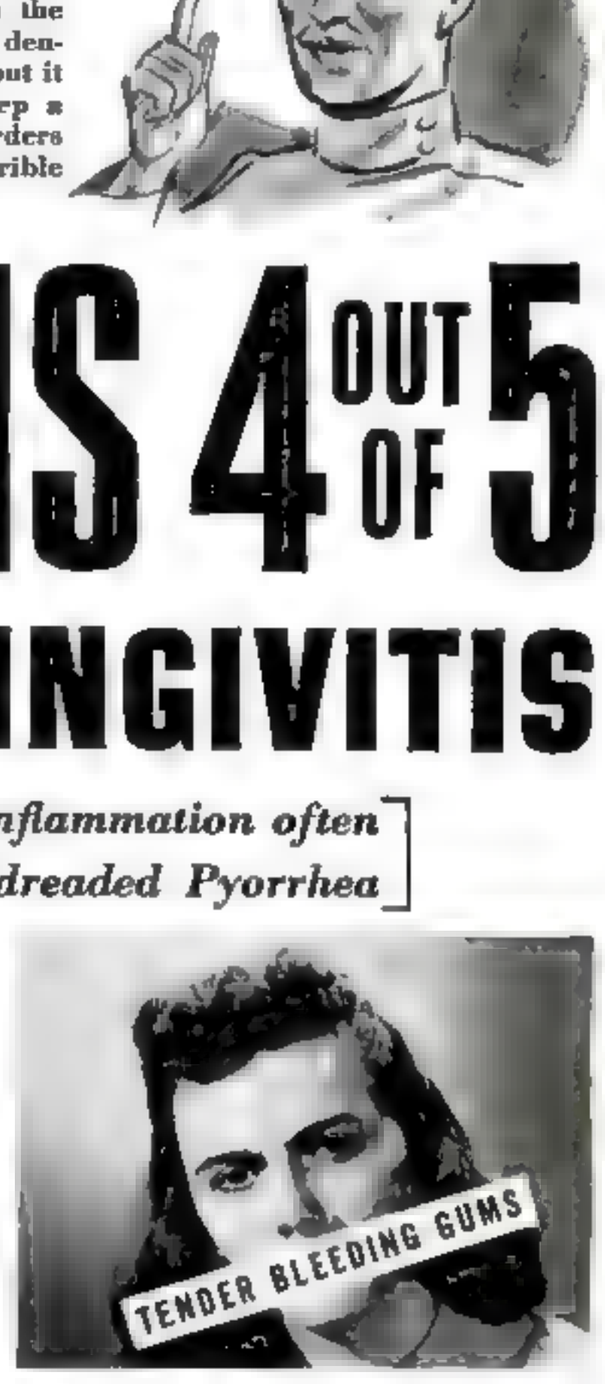


WARNS 4 OUT OF 5 ABOUT GINGIVITIS

A common gum inflammation often a forerunner of dreaded Pyorrhea



PYORRHEA: One of the most distressing diseases of modern civilization—gums waste away—vile pus around teeth sockets—teeth loosen and can be picked out. Don't be fooled into thinking any toothpaste, powder or liquid can help this condition. There is no remedy for Pyorrhea except the care and skill of your dentist.



GINGIVITIS: A common inflammation of the gums where they join the teeth is often a forerunner of Pyorrhea. At the slightest sign of tender or bleeding gums—see your dentist. At home clean your teeth and massage gums twice a day with Forhan's Toothpaste, and the special new Forhan's Gum Massager.



BRIGHT, SPARKLING TEETH require healthy gums. To help keep gums firm, hard, healthy and more able to ward off infection MASSAGE daily with Forhan's Toothpaste.



JOIN FORHAN'S "SAVE YOUR TEETH" PROGRAM. See your dentist every 3 months. And every morning and night massage your gums and clean your teeth with Forhan's Toothpaste, special formula of Dr. R. J. Forhan, for the teeth and gums. It effectively cleanses dull, dingy teeth, revealing their natural luster—helps remove acids that cause decay. Used and recommended by many dentists for over 20 years! At drug and department stores. Weekend size, at all 10¢ stores.



The Original Toothpaste for Massaging Gums and Cleaning Teeth

50¢ GUM MASSAGER

Send the carton of giant 50¢ size Forhan's Toothpaste to Forhan's, Dept. C-I, New Brunswick, N. J., and receive this wonderful 50¢ Gum Massager FREE.

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LIFE

September 18, 1939



HITLER WITH HIS GENERALS "SOMEWHERE IN POLAND"



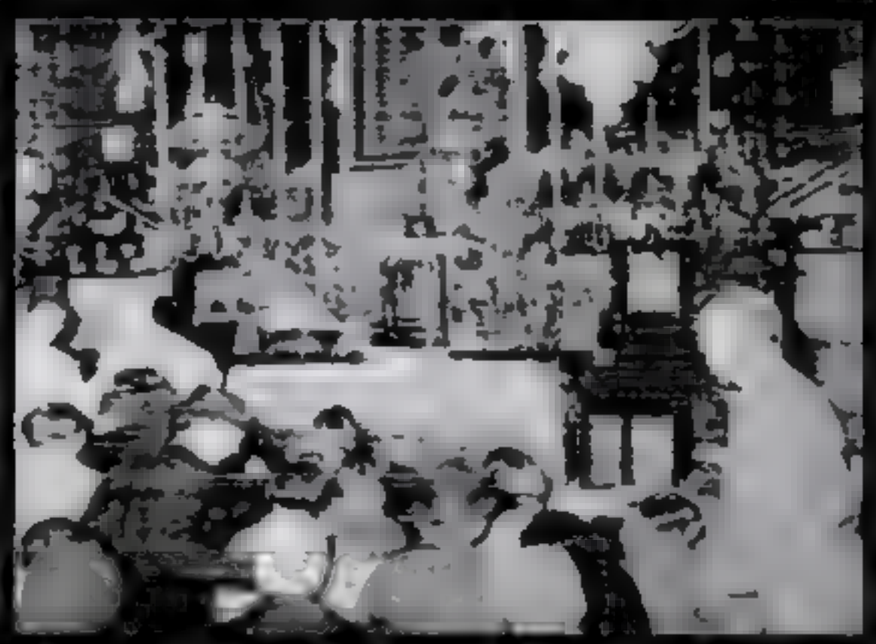
GERMAN GUN UNIT GALLOPS THROUGH POLISH VILLAGE



A GERMAN ESCORTS CAPTURED POLISH CIVILIANS



HITLER VISITS WOUNDED SOLDIERS IN AMBULANCE TRAIN



U. S. REPORTER (RIGHT) AT UNHARMED POLISH SHRINE



HITLER SEES EXPLOSION ON POLISH BATTLEFIELD

WAR IN PICTURES

GERMANS BEAT BRITISH-FRENCH IN FIRST WEEK OF PROPAGANDA

It seemed a queer sort of world war, the first week—unreal and unconvincing to Americans who have heard its prospective horrors touted for years. Where were the swarms of German bombers that had supposedly struck terror to the hearts of the British and French at Munich, the Nazi air hordes that were going to give first notice of the war by raining death on London and Paris in the night? Why, except at the Kiel Canal, did British bombers flying over Germany drop not bombs but only propaganda leaflets?

Most confusing to Americans was the total lack of visible evidence—in pictures—of any fighting at all on the western front. The German-Polish war was real enough. Not only were two American correspondents permitted to report direct from the front but also, most convincingly, Berlin sent a steady stream of radio photos (*above*) to America which left no doubt that there was fighting going on in Poland. From Paris and London, on the other hand, came only bare official communiques announcing "contact" and "general activity" in their war with Germany. These Berlin countered with daily denials of *Im westen nichts neues* ("All quiet on the western front"). To corroborate the British and French announcements came not a single news picture of their military activity against Germany. On Sept. 8 it was announced that British censors had forbidden the sending of any further pictures of any kind from London to New York by radio. Photographs bound for America by plane were barred from the *American Clipper*, a total ban was laid on the importation of any photographs into Britain, and photographs were declared contraband to be confiscated from neutral vessels attempting to pass through the British blockade.

The British and French might have sound military reasons for their censorship, but the result of it was to send wild rumors and suspicions flying not only through America but also through their own countries. These centered in talk that Hitler would offer peace to the western powers as soon as he had grabbed all he wanted of Poland, that Britain and France were simply stalling for time until that happened. Ill-considered as such talk of a "second Munich" might be, the very fact of its existence proved that on the propaganda front the Germans had definitely won the first week of the war.

Pictures of Hitler and his troops were not, of course, calculated to win Germany any sympathy in America. As propaganda, they were effective simply in publicizing German strength and in establishing a reputation for frankness in contrast with the secretiveness of the British and French—a secretiveness against which not only American correspondents abroad but even London newspapers were clamoring at week's end. While the London *Times* scolded Lord Macmillan's new Ministry of Information for "a series of muddles and blunders," Germany's Dr. Goebbels & Co. showed clearly that they had profited by the lessons of the last War. When France's Cardinal Verdier set up an outcry against German bombing of the "holy city" of Czestochowa—the "Lourdes of Poland"—Germans promptly spiked this atrocity story by escorting A. P. Correspondent Louis Lochner to the village, showing him its monastery and church still intact, photographing him at the untouched shrine of the "Black Madonna" (*above*).

THE SECOND WORLD WAR

AN EXPERT'S REPORT ON FIRST WEEK OF THE POLISH INVASION

By Major George Fielding Eliot



THE CROSSING OF THE VISTULA BY THE GERMAN ARMY

LONDON, SEPT. 9 *(by cable)*

When the new war broke out, George Fielding Eliot, one of America's best-known and most articulate military experts, had just returned to London from an inspection tour of Europe's principal military establishments. Born in Brooklyn, N. Y., 45 years ago, he fought through the last War with the Australian infantry, later became a U. S. military intelligence reserve officer. He is the author of *The Ramparts We Watch* and *Bombs Bursting In Air*. Herewith he reports and interprets the war as a journalist independent of LIFE's own staff of military experts.

In order to understand this war at all you must not think of troops in the hundreds of thousands or millions. You must think of the numbers of available, organized equipped divisions—fighting teams. In actual numbers a division consists of 12,000 to 18,000 men. Germany began the war with slightly more than 100 divisions of all types available for field service, plus about 20 *Landwehr* divisions specially trained to garrison the fortifications in the West. Poland had 60 divisions, of which 30 were first line and 30 reserve.

The German military objective was the defeat and destruction of the Polish Army. The Polish objective was to keep its Army reasonably intact as a fighting force until the pressure of its western allies on Germany reduced the pressure on itself. It could afford to lose territory, which can always be recovered. But it could not afford to lose any great number of its first-line divisions, which could not be recovered.

The German plan of attack was in three parts. 1) Converging attacks on the Corridor, east from Pomerania toward Bromberg and southwest from East Prussia toward Grudziadz. The idea was to meet near Chelmno. 2) A heavy attack in the southwest to obtain possession of the industrial and mining district of Upper Silesia. This, like the attack on the Corridor, was to be a converging attack, one thrust from Prussian Silesia to reach Czestochowa, the other from Slovakia across the Beskid Hills on to Cracow, with a holding attack in the middle at Katowice. 3) A direct attack upon Warsaw from East Prussia via Mlawa.

The Polish plan of defense was to protect its salients by rear guards, destroy bridges and communications lines as its troops fell back; to keep concentrated forces available for counterattack; to defend Warsaw and the "Industrial Triangle" south of that city as long as possible; to keep open communications with Rumania and Lithuania; to delay the enemy as much as possible, playing above all to keep intact the main elements of the Army.



GERMAN MOTORIZED TROOPS WATCH BURNING POLAND

After one week of war, how do plans check with achievements? With due reservations for incomplete and conflicting information, the situation as of Sept. 9 was as follows:

The Germans had successfully completed phase No. 1, having attained the line of the Vistula between Grudziadz and Bromberg and thus cut off the Corridor. They claim to have crossed the Vistula near Chelmno and to have taken 10,000 prisoners there. If the latter is all they can claim it may at once be said that the Poles on their part have successfully evacuated the Corridor without undue loss.

Phase No. 2 has been also accomplished, the Germans using their air force to assist the break-through near Czestochowa. The Polish industrial region of Upper Silesia is now under German control, though one can imagine that isolated resistances continue. The advance on Cracow has pushed quickly forward, the Germans now occupying this important city. According to German reports the eastern column has reached Nowy Sacz and is pushing on into the Industrial Triangle.

Phase No. 3 has carried a German force forward to the general line Plonsk-Pultusk. At Pultusk the German left flank rests on the river Narew near Plonsk. The German right-flank elements are on the Wkra. The Germans appear to be pushing forward into the narrowing space between these rivers. In front of them is the formidable obstacle of the river Bug and its continuation, the Vistula. Mechanized elements of the German left are at Rozan on the Narew. This German force is now just north of Warsaw, but the Bug and the Vistula still intervene. Polish resistance is stiffening. As far as is known the Poles are still in possession of the crossing of the Narew at Ostroleka behind the German left. One might conjecture that they have assembled a counterattacking force in the triangle Ostroleka-Lomza-Ostrow which might seriously endanger the German left rear. In any event a serious battle, the first great engagement of the war, seems now to be developing along this front. The crossings at the junction of the Bug and Vistula rivers are heavily fortified.

A fourth phase of the German attack is seen in the rapid advance upon Lodz. German mechanized elements moving forward from Czestochowa followed the railroad northeast at high speed to Warsaw, forming a great pocket in west Poland. Meanwhile German sidethrusts were made eastward toward the Vistula.

It is possible that the bulk of the Polish forces is now in the area around and south of Warsaw, occupying a central position, with radiating railways available insofar as these have not been damaged by air attack. Very much stiffer Polish resistance may now be anticipated, with counterattacks on the German forces which in some cases appear to have pushed on somewhat rashly.

As the week ended, German troops were closing in on Warsaw from the north and the southwest. In the north the situation is still obscure. From the southwest the rapid German advance appears to have continued to the outskirts of Warsaw and there to have been checked. If, as claimed by the Germans, armored reconnaissance elements are scouting in Warsaw's suburbs, they seem likely to be from this force rather than from the northern force beyond the Vistula.

The gravity of the threat to the Polish capital is not to be denied, nor the seriousness of its loss to Poland. But the Polish Army, and not the Polish capital, is the true German objective. All available information here indicates that the Polish Army is still intact and ready to act at the proper moment. Clearly the very rapid German advances on several fronts were not seriously opposed except in the southwest and there is no indication even from German claims that any great number of prisoners or war material were taken. Polish morale is still reported high and the retreat of the advanced elements was carried out in an orderly and careful manner. On the other hand much emphasis seems to be laid by Polish commentators on the situation in which the Germans will find themselves when the rains come down and the dry flat country over which they have swept forward so swiftly becomes a morass. This might indicate that the Poles are retiring behind the Vistula, clinging to their strategic triangle south of Warsaw, and that the counterstrokes may not yet be forthcoming.

This has so far been entirely a war of maneuver, with forces moving freely and without any trench fighting. As with the defense of Madrid, the war may be about to enter on another phase in which the fighting will be much more severe and less mobile.

So much for the war in the East. Remember that Germany's idea is to put the Poles out of the war quickly and that the Poles are trying to keep their Army a going concern as long as possible. The decisive time factor is directly related to what happens in the West, where Poland's Allies, Britain and France, appear to be mounting an attack against the German western border.



SOME OF THE 10,000 POLES CAPTURED BY GERMANS

The original German plan called for the use of 80 to 85 divisions of all types against Poland, leaving a mobile force of 15 to 20 divisions available in the West. No one expected this to be able to hold up indefinitely the powerful thrust of the magnificent French Army of 70-odd divisions (rising in the first two weeks of full mobilization to almost 100) plus anywhere from a dozen to a score of British divisions. But there are in addition the fortress troops of the *Landwehr* and the fortifications of the Westwall which they man. These *Landwehr* units are com-



AT WARSAW THE GERMAN ARMY CLOSES THE MOUTH OF A GREAT TRAP IN WESTERN POLAND. THREE THIN ARROWS INDICATE NEXT DRIVE ON INDUSTRIAL TRIANGLE

posed of men 35 to 45 years old. Many of the soldiers and almost all of the noncommissioned officers fought in the World War and have had experience in holding fortified positions. They could not make long marches with full equipment but they can sit in a casemate and manipulate a machine gun. The German hope is to hold on this front until the Poles are finished. Indeed, they undoubtedly hope to finish the Poles before the French and British really attack in deadly earnest, and then to make peace on the basis of "let's face the facts." It takes time to concentrate for an attack, prepare the way for artillery fire and drive forward the very large forces needed to break a modern fortified line. The handful of mobile German divisions are intended to deal with any possible break-through.

In 1914 the Germans planned to attack the French in overwhelming force, brush them off and then turn on the slower moving Russians. The plan failed largely because, at the critical moment, with the Russians in East Prussia, the younger Moltke, then chief of the great Federal staff, lost his nerve and began shifting troops from west to east. The result was that two army corps and a cavalry division were in transit at a time when the Russians were already beaten at Tannenberg and Germany was losing the decisive battle of the Marne. Two army corps might well have swung the victory the other way.

Reports of the French attack on Saarbrucken indicate that a similar situation is developing. Will the Germans stick to the Polish front in the face of the French threat? If they do, will the French be able to carry their offensive far enough so that the Germans will have lost the war by waiting too long, no matter what happens in Poland? Will the Germans, on the other hand, start shifting troops from east to west to meet the French, and if so will the Poles then stage a comeback against the Germans in the east? It's a very nice problem.

The all important element is time. How quickly can the Franco-British offensive be developed? How long can the Poles hold out?

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1 A sight never before seen in war was realized by the German Army in Poland. Above and below, Viennese Artist Matejko shows how the Germans before the war planned to use the parachute army. Smoke-laying planes have already laid down an artificial fog and fighter planes have machine-gunned the enemy's anti-aircraft gunners. Now come the German troop-carrying planes and, twelve at a time, the German soldiers drop to the ground. The whole operation has taken less than a quarter of an hour.



2 The German parachute troops disentangle themselves from their parachutes and assemble in "hedgehog formation," a variation of the British square, to meet attack from any direction. These men mount machine guns amid wreckage of the enemy's anti-aircraft positions and defend the ground, so that heavy transport planes can land with infantry. These have job of blowing up a munitions dump, a railway junction or a bridge. The Polish peasants last week tried to kill German fliers after their job was done.

POLAND

GERMAN TANKS PUSH POLES 200 MILES IN SEVEN DAYS

The sensation of the war on the Polish front was last week's seven-day drive by a mechanized German army 200 miles northeast to Warsaw. This amazing feat of continuous striking power was principally achieved by use of the tank. On this page is the German idea of how the tank should be used. German formula is to use lots of them and to launch them in waves, each one feeling out the resistance and overcoming it to clear the way for the following wave.

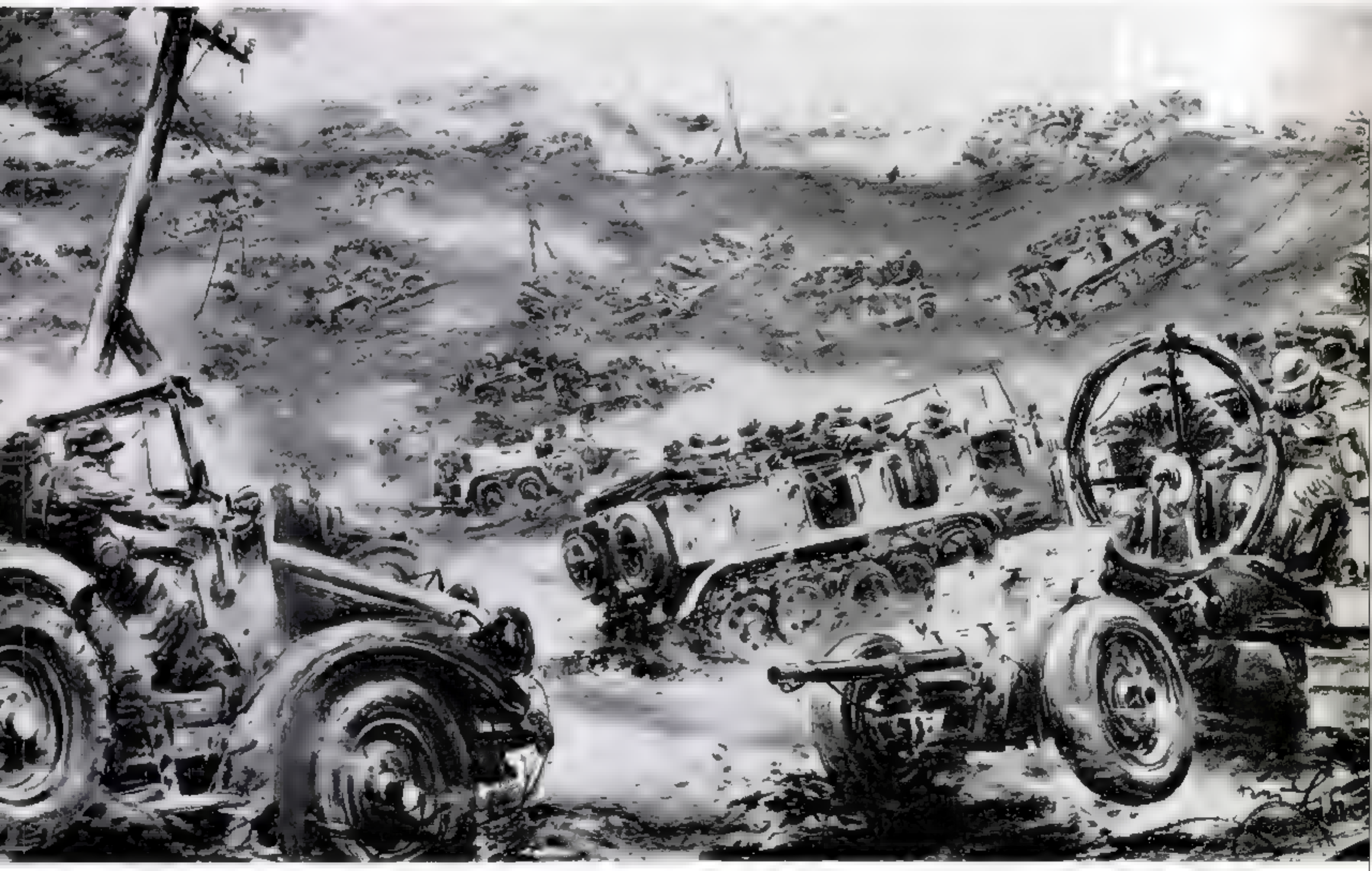
Here too planes, as well as artillery fire, first try to take out the defending artillery. In the picture at left, a wave of tanks extending as far as the eye can see sweeps forward out of the background to wipe out the lone remaining anti-tank gun at left. Another anti-tank gun at right has been put out of business. These gunners can hear the indescribable pandemonium that a mass of tanks produces—a splitting, clanking, roaring bedlam.

In picture beneath, the tanks having finished their assignment, tractor trucks bring up the infantry. Anti-tank guns and motorized artillery coming with them will be able to repel a possible counter-attack.

The defense put up by the Poles by no means gave the tank attack a first-class test. Lacking were tank traps, land mines, masses of anti-tank guns and counter-attacking tanks. Sometimes the Poles threw horse cavalry against tanks. The Germans used waves of 120, 240 and even 450 tanks, supported by infantry. But the German mechanized drive did show that, once a "break-through" is made and the enemy's resistance is disordered, an efficiently organized tank attack can keep on driving him over the horizon. This is a potent precedent for the western front.



3 The last anti-tank gunners fire at the overwhelming charge of the tanks. The 1½-in. anti-tank gun fires an explosive shell that pierces inch-and-a-half armor and explodes inside. One can take care of perhaps half a dozen tanks in a minute. German technique is to fight them first with planes and sharpshooters, blind them with smoke shells.



4 The mechanized troops come up with their guns to hold the ground against the counterattack. The beautifully planned and organized attack of the Germans in Poland produced an almost ideal picture of this kind of warfare. Against proper defense, however, it would have been less impressive. For the anti-tank gun is the master of the tank. The tank's strength depends on surprise in numbers. The terrible noise it makes somewhat spoils the surprise. But once the enemy is on the run, its effect is tremendous.

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FRANCE



THIS 16-IN. FRENCH ARMY RAILWAY GUN IS NOW BOMBARDING GERMAN RAILWAYS THAT SUPPLY THE WESTWALL. IT TAKES ONLY A MINUTE TO LOWER THE BARREL, LOAD, RAISE AND RE-AIM



CRANE LIFTS SIEGE GUN SHELL ONTO RAILWAY GUN CARRIAGE. NOTICE POWDER BAGS. BELOW, 70-TON FRENCH "BREAK-THROUGH" TANK ADVANCES, MANNED BY 15 MEN AND ARMED WITH 75-M M. GUN AND FOUR MACHINE GUNS



FRENCH ARMY VS.

FRENCH 70-TON TANKS AND

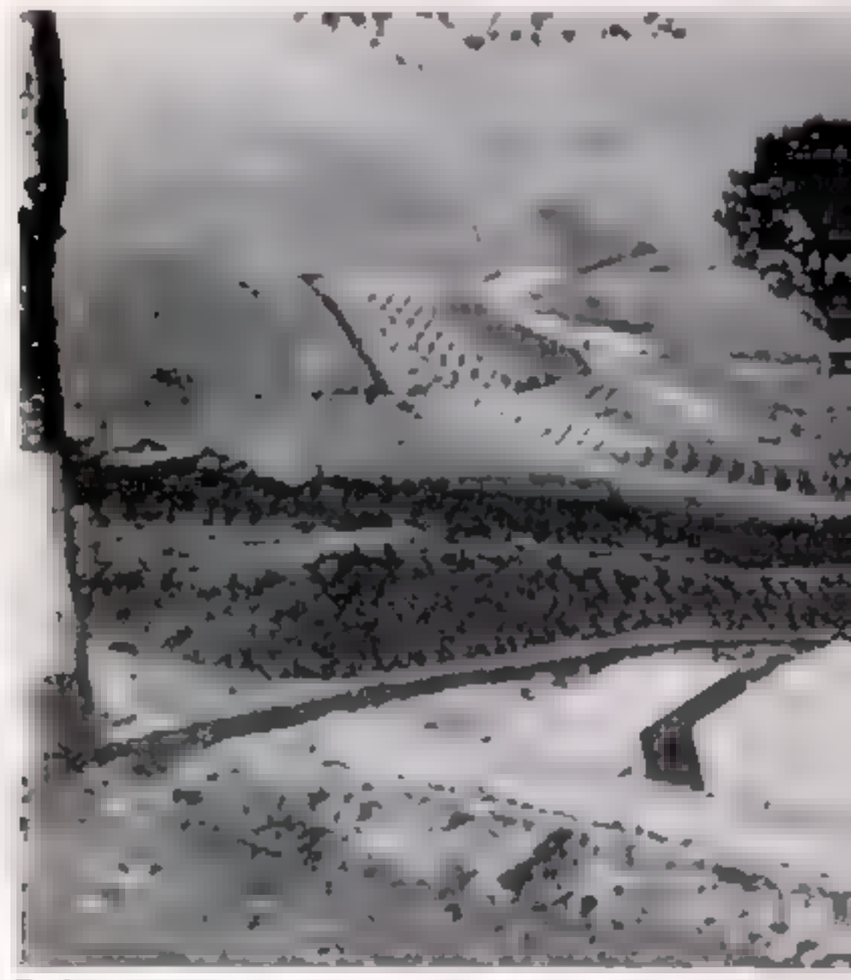
The Allied censorship gave events on the western front last week the appearance of frozen slow motion, in violent contrast to what was happening in Poland But the duel in the west was to be between titans the great French Army and the mighty Westwall of Germany

Along the German border, the French guns felt out the Westwall. In the north, the French positions commanded the advanced German positions. There, as shown on the map on page 23 the French advanced as much as eight miles into Germany

But this was only the first tentative grappling for the real fight to come—a fight that may turn into a major siege operation. The German Westwall is here built well back from the border. The pillboxes the French took were



Germans camouflage fortifications in the Westwall with chicken wire to hold branches, bushes and hay. Painted camouflage



Tank barrier in the main Westwall line, well back from the border, is rows of concrete pyramids from 4 to 6 ft. high to catch

THE WESTWALL

BIG GUNS GO INTO ACTION

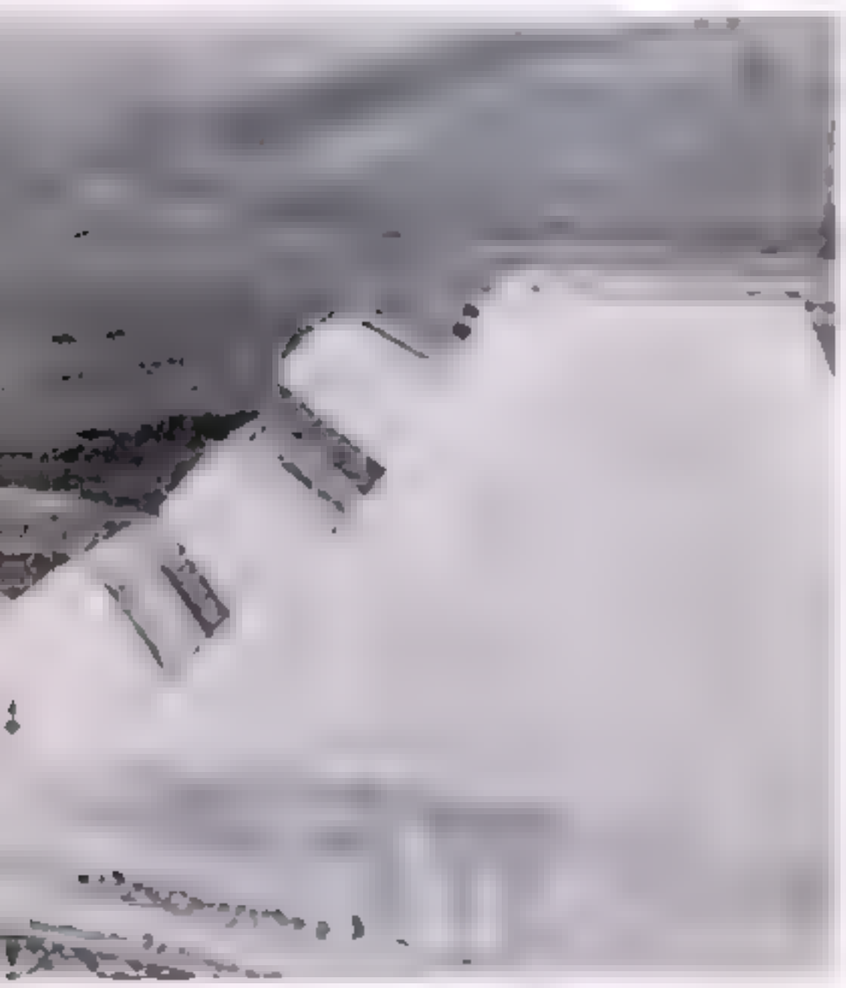
scarcely more than a skirmisher's line. The French Information Ministry, headed by able Novelist Jean Giraudoux, was well advised not to exaggerate these advances. But they were substantial enough to bring six new German divisions to defend the Westwall. And that was the main idea of the French staff generals assigned to the front.

Generals Bourret, Billotte, Giraud, Colson, Georges, Condé, Besson, Blanchard, Huntziger, Bührer, Garchery and Réquin, of whom several may soon be famous.

At left are shown some of their formidable weapons. Below and at right are shown parts of the Westwall. Last week Hitler told his troops to guard it "as unshakably as a wall of steel and iron 100 times stronger than the never-conquered western front in the World War."



can be detected in photographs but natural camouflage that is laid flat cannot. France is off to the left beyond the horizon.



and raise tank treads off the ground. France is beyond the hills. Steel rails are placed in slots in the road barrier in foreground.

GERMANY



Control tower for anti-aircraft fire rears up just behind the Westwall. Commanders spot attacking planes, telephone orders to concealed anti-aircraft guns. Boelcke was von Richthofen's tutor. Below: Westwall observation turret.



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COMMANDER IN CHIEF OF ALLIED ARMIES GAMELIN HAD HIS PICTURE TAKEN WITH COMMANDER OF THE BRITISH EXPEDITIONARY FORCE LORD GORT LAST SPRING IN LONDON

THEY LEAD THE ALLIES TO WAR

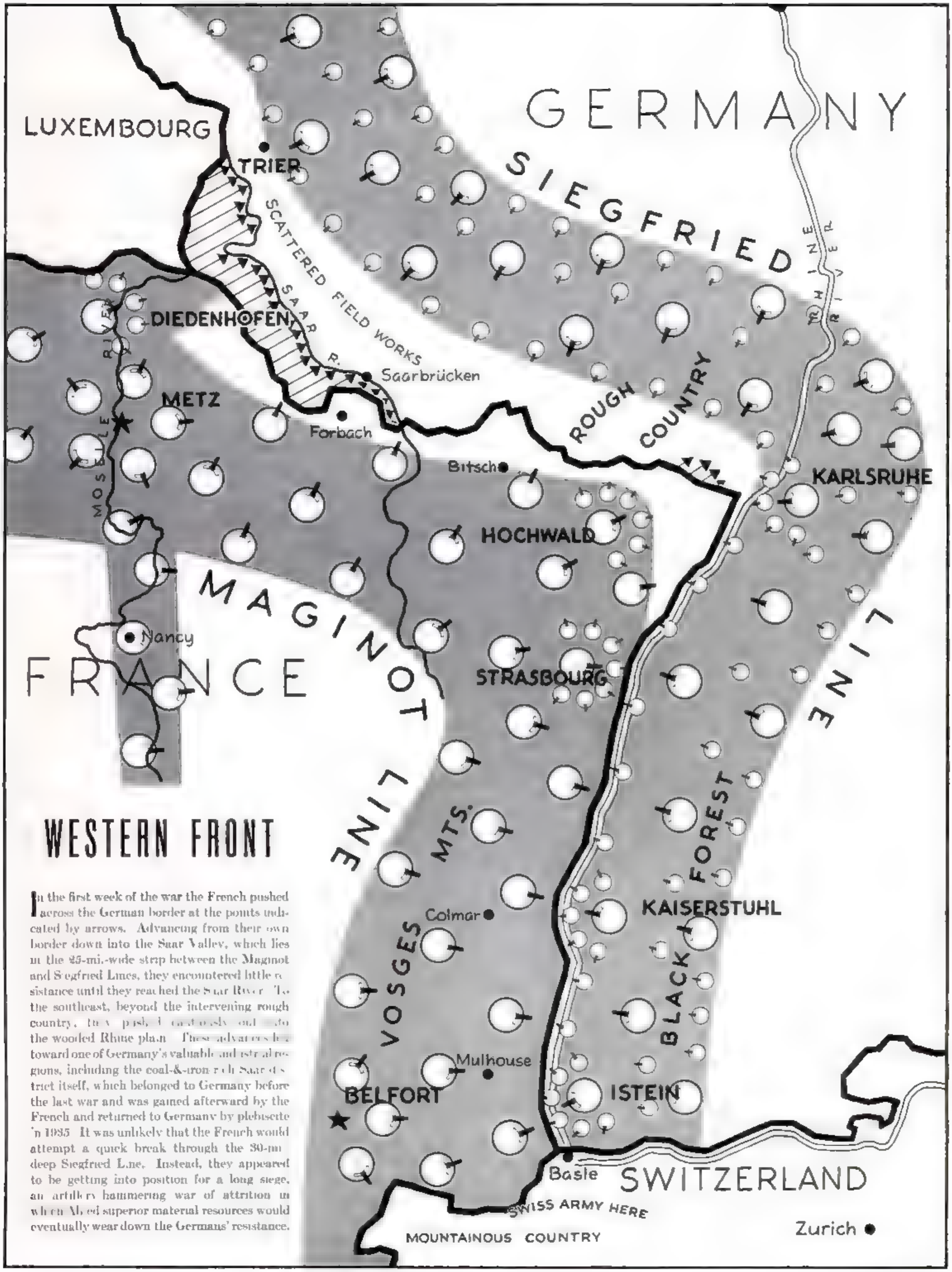
GENERALS GAMELIN AND GORT ARE TWO SILENT MEN OF ACTION

The two men on whom the future of Britain and France now chiefly rests make a singularly unspectacular pair. But it would be hard to find more competent men for their jobs. The commander in chief of the French armed forces, General Maurice Gustave Gamelin, takes command of all the Allied land forces. The commander of the British expeditionary forces, John Standish Surtees Prendergast Vereker, General The Viscount Gort, is subordinate to Gamelin. These two men are technicians, unpretentious experts at their jobs.

Gamelin, now 66, is the son of a Controller General of the French Army under Napoleon III. He can recite every Army order issued by Napoleon I. Because of his passion for philosophy, the late General Joffre said of him, "If this is philosophy, it is time all generals were philosophers." Gamelin is always calm, saying "It's no use getting angry at facts, it's a matter of indifference to them."

Gamelin spotted the flaw in the German line on Sept. 4, 1914 that led to the battle of the Marne and saved France. Gamelin's great military gifts are the same that made Robert E. Lee great—his sense of terrain and his consideration for his men. Only clue to his plans for the war is his recent statement: "I do not propose to start the war by a battle of Verdun!"

Britain's General Gort is a fighter through and through. His ancestors over 800 years have fought practically all the subject races of the British Empire. Personally a shy man, Gort was the only peer to get the Victoria Cross in the World War. He also won the D.S.O. three times and the V.C. Unlike Gamelin, he has no foreign decorations. He is a grueling worker and is called "Tiger" by his subordmates.



WESTERN FRONT

In the first week of the war the French pushed across the German border at the points indicated by arrows. Advancing from their own border down into the Saar Valley, which lies in the 25-mi.-wide strip between the Maginot and Siegfried Lines, they encountered little resistance until they reached the Saar River. To the southeast, beyond the intervening rough country, they pushed cautiously out into the wooded Rhine plain. These advances led toward one of Germany's valuable industrial regions, including the coal-&-iron-rich Saar district itself, which belonged to Germany before the last war and was gained afterward by the French and returned to Germany by plebiscite in 1935. It was unlikely that the French would attempt a quick break through the 30-mi. deep Siegfried Line. Instead, they appeared to be getting into position for a long siege, an artillery hammering war of attrition in which Allied superior material resources would eventually wear down the Germans' resistance.

(continued)

THE LINER "ATHENIA" IS SUNK AS POWERS OPEN WAR AT SEA

Dusk had darkened the North Atlantic on the first day of the second world war. The British liner *Athenia* bound out of Glasgow, Liverpool and Belfast for Montreal, steamed over uneasy waters 250 miles west of Inishtrahull Island off the rocky Irish coast. Of her 1,418 passengers (75% women and children, 21% American), some were abed seasick, many were at tables in the dining rooms. At 7:45 p.m. a shattering explosion rent the *Athenia's* steel hull. A waterspout leapt 70 ft. into the air and cascaded over superstructure and lifeboats. Promenading passengers were hurled over the rails into the sea. Water surged into the engine rooms.

Just nine hours earlier Great Britain had declared war on Germany. Three hours earlier France had entered the conflict. And now a brilliant moon shone



down on a dreadful seascape, whose clarity was at once blurred by disorder, imagination and fear.

Far off on the silvered black waters the squat outlines of a submarine appeared to some *Athenia* passengers, dimly silhouetted in the fall ng ught Its gun, they declared, spat a single shell at the mainmast. Then it vanished and the empty sea became filled with lifeboats—overloaded, listing, capsizing and with swimmers and bits of wreckage Near midnight the Norwegian freighter *Knute Nelson* arrived, found the scene shown in the drawing above, took aboard 450 survivors The yacht *Southern Cross* (*between* "*Athenia*" *and* "*Nelson*") took on 376 more At 10 a m next day the *Athenia* rose vertically on her bow and plunged stern first to the ocean floor

Barely had news of the sinking flashed to land before German officials denied responsibility, suggested the *Athenia* had struck a mine Britain's Admiralty asserted no mine fields existed in those waters Five days later, after investigators had questioned survivors and totalled the missing (128), U S naval attachés in England submitted a report to Washington Their conclusion: the *Athenia* had been sunk by a torpedo fired from an unidentified submarine.

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S. S. "President Roosevelt" had her name and huge U. S. flags painted on sides and deck before sailing from New York, Sept. 6, to bring back Americans stranded in Europe. The Government decided to rely on these warnings instead of sending naval convoys.



Lockheed bombers ordered by British prepare to take off for Canada from Burbank, Calif., Sept. 5, before Neutrality Act proclamation. Below, more Lockheeds arrive in Liverpool. Under Neutrality Act, America may sell no more planes to Britain and France



AMERICAN NEUTRALITY

WE MUST KEEP OUT SAYS LEGION COMMANDER

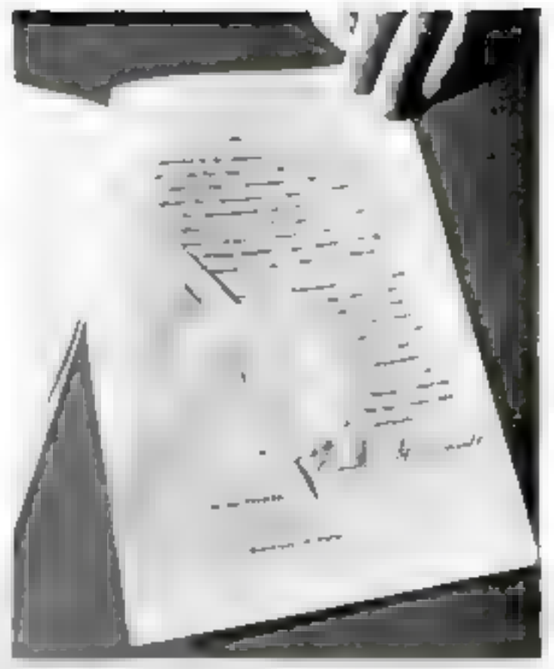
AS PRESIDENT HELPS THE NATION KEEP CALM



The U. S. State Department, in the persons of (*l. to r.*) Secretary Hull, Under Secretary Sumner Welles and Assistant Secretary Adolf Berle, marches down Executive Avenue on Sept. 5 bearing the Neutrality Proclamation (*under Berle's arm*) to be signed by President Roosevelt. Busiest men in Washington, they have the job of administering Neutrality provisions to keep America out of war. Under Secretary Welles sails for Panama for a conference on Pan-American neutrality Sept. 21

Even his usual critics paid warm tribute to President Roosevelt last week for the care he exercised to avoid getting Americans over-excited about the war. Putting the Neutrality Act into effect on Sept. 5, the President accompanied it with no fresh blast at the Congressmen who had declined to amend it so that America could sell arms to Britain and France. He merely took care to keep a clear distinction in the public mind between ordinary neutrality and the U. S. Neutrality Act by issuing his Neutrality Proclamation (*right*) five hours before putting the Act into effect. When he was forced to proclaim a "national emergency" in order to exercise peacetime powers to supply deficiencies in Army and Navy personnel, and increase Federal vigilance against foreign spying, propaganda and sabotage, he cautioned newsmen to emphasize that it was only a "limited" emergency. The President further announced that he would take his time about calling Congress into special session to amend the Neutrality Act.

Doing his bit to squelch such emotional outbursts as that shown below, the American Legion's National Commander Stephen F. Chadwick on Sept. 7 urged that America, including the Legion, hold fast to strict neutrality. declared: "If other continents want to consume themselves in the fires of war, it may be that the sole rock of civilization will be what we preserve here at home."



THE U. S. NEUTRALITY PROCLAMATION



AMERICAN LEGIONNAIRES OF MISSOURI AT THEIR STATE CONVENTION, SEPT. 3-5, STAGE AN UN-NEUTRAL DEMONSTRATION AGAINST ADOLF HITLER IN THE STREETS OF JOPLIN

LIFE ON THE NEWSFRONTS OF THE WORLD

Peace hope persists after week of war; Europe's capitals go black; 16 vessels sunk in sea war

Through last week the idea persisted in many minds that there might yet be peace. Seven days of war had produced no major engagements on the western front, no bombings of British, French or German cities. Even allowing for the strict censorship, there was surprising lack of military action on the part of the Allied powers.

All this added up to the hope—or suspicion—that the second world war might yet be called off, and those who entertained this view had their eyes fixed on Benito Mussolini. Both the Duce and the Italian press preserved an unprecedented silence. Emissaries went back and forth between Mussolini's office and the Pope's summer home at Castel Gandolfo.

The prevailing guess for a peace plan was that Hitler would score a quick victory in Poland and that Mussolini would then present a plan for an armistice and general peace conference to arrive at some "permanent European settlement" superseding the Versailles system. Both London and Paris vigorously denied that they would be interested in any such proposal



MUSSOLINI

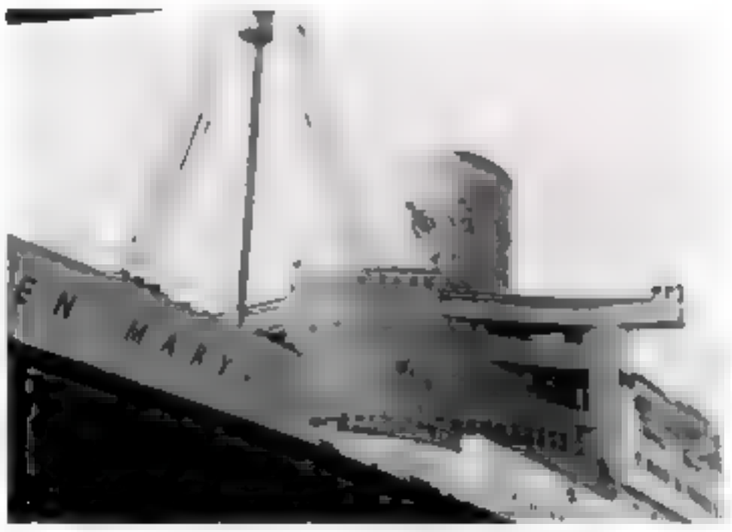
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Night in the Cities. Over the capitals of Europe fell the Great Blackness. The gayest cities in the world, London, Paris and Berlin, were pitch dark or as nearly so as the utmost vigilance could contrive. The showing of light became a crime punishable by heavy fines or jail, and in London a crowd gathered to stone the house of an old man who had his shade up. Motorists had to drive without lights or only the dimmest blue. In Berlin two trams bumped each other but London reported no increase in accidents. Pedestrians collided with one another and with stationary objects, sometimes apologizing elaborately to lampposts. Englishmen spoke on the street without introductions. London restaurants and public buildings installed vestibule "light traps" to prevent a gleam when doors were opened. Berlin decreed the death penalty for stealing during a blackout. In Paris, Frenchmen remarked how beautiful the city looked under the moonlight.

By day civilian life was hardly less disrupted. London was a city without children. Virtually everyone carried a gas mask, including the Queen, who carried hers in a canvas satchel, and Prime Minister Chamberlain, who wore his mask slung over his shoulder.



THE QUEEN AND MR. CHAMBERLAIN



QUEEN MARY BEING PAINTED

Theaters were closed completely, then some were allowed to open until 10 p.m. As the men marched off, women replaced them as clerks and chauffeurs. Newspapers in London were cut to 16 pages or less. Merle Oberon was working in a war movie and Gracie Fields sponsored the first war song, *Wish Me Luck!*

●

War by Radio. Both England and France were operating last week under the strictest censorship. Lord Macmillan, a Scottish jurist, stepped into the British Cabinet as Minister of Information. France retained Playwright Jean Giraudoux (*Amphitryon 38*) as Commissioner of Information. The week's work of these two comparative amateurs at the art of press-agentry



MACMILLAN AND GIRAUDOUX

looked particularly inept when measured by the smooth functioning of the German propaganda machine (*see p. 15*).

Britain fought the propaganda war more vigorously by airplane and radio. Fleets of planes dropped more than 15,000,000 leaflets over northwestern Germany and Chamberlain delivered a speech in his halting German offering to make peace with "any honorable German Government." At this point Germany reportedly confiscated all sets capable of receiving foreign stations. The radio battle then went into the trenches, in thunders of confusion that will not be dispelled until the war's end. Government stations were broadcasting news reports and straight propaganda in each other's languages and wave lengths, and jamming counter-broadcasts with blasts of music. To the Polish people the fall of Warsaw was announced by a German and denied by a native accent on the same wave length within an hour.

●

War at Sea. What war there was between Britain and Germany was waged in Atlantic trade routes in the patterns of 1914–18. Between Sept. 3 and 9, 16 vessels, including the *Athenia*, were sent to the bottom by torpedoes, shells and mines. Of these nine were British, four German, one French, one Dutch and one Greek. The neutral Greek and Dutch vessels blundered into mines in the Baltic and North Seas. Seamen aboard the British freighter *Olivegrove* told a strange tale of their meeting a sea-weathered Nazi submarine, barnacled and bearded with moss, whose bewhiskered, unkempt commander gallantly gave pre-torpedo warning, then stood by the freighter's lifeboats till help arrived.

Precautions were taken by the warring powers to guard their handsomest prizes from destruction. The German liner *Bremen*, which sailed from New York, Aug. 30, was reported berthed in Iceland. The *Normandie* lay idle in the Hudson. Plans for the *Queen Mary*, painted a grim sea-gray, were wrapped in mystery. The British vessels *Franconia*, *Aquitania*, *Queen of Bermuda*, *Carinthia*, *Georgic* and *Samaria*—all camouflaged—slipped furtively out of New York for unknown destinations.

●

Embattled Neutrals. The lot of neutrals in this war began to look extremely hard. A British air raider dropped a bomb over Esbjerg, Denmark, by mistake, and killed two persons. Three British bombers flew over Belgium and, when a Belgian plane signaled them to land, shot it down. Outside Warsaw, German planes dumped six bombs on the villa of U. S. Ambassador Anthony J. Drexel Biddle Jr. Mr. Biddle said he thought the raid was deliberate.

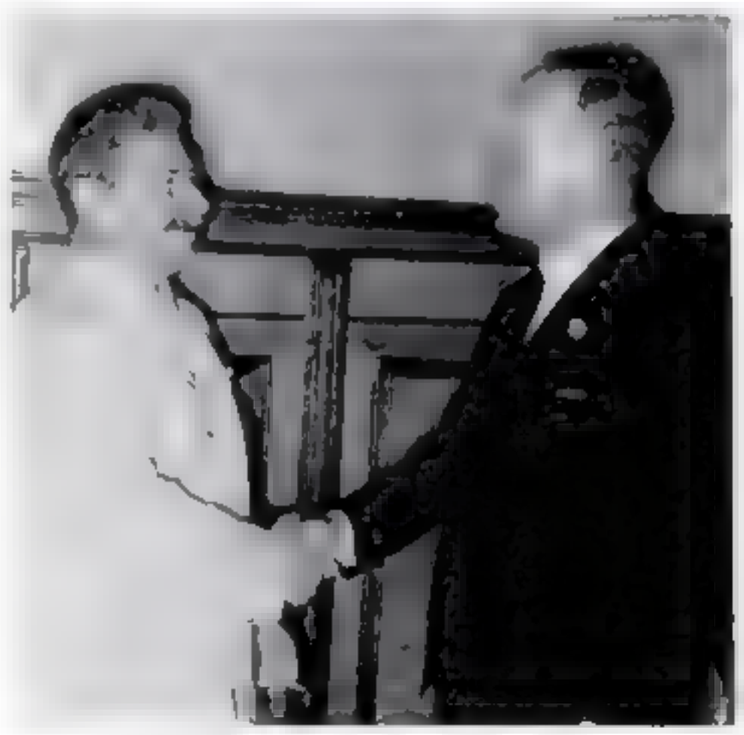


BIDDLE

●

Handshaker. The spectacle of a grinning Stalin shaking hands with the Foreign Minister of Nazi Germany was recorded for the world in a picture which reached the U. S. last week. But the world was still in the dark as to just what the German-Russian non-aggression pact really means. As the German Army rolled over Poland, Russia sent a steady stream of reservists to guard its western border.

The Stockholm *Aftonbladet* published a memorandum which it said had been received from the Communist International in Moscow by all Swedish Communist leaders. It consisted of questions and answers:
Q. How can a world revolution be evoked rapidly?
A. By a long war, according to the writings of Marx, Engels and Lenin.
Q. Is a European war apt to promote the interests of the Comintern? A. Yes.
Q. Can a Russo-German pact promote outbreak of war? A. Yes.



STALIN AND VON RIBBENTROP





THIS THIN GLASS IS RECOGNIZED...
AND WELCOMED...EVERYWHERE

Make lunch time refreshment time

Life, sparkle and taste give ice-cold Coca-Cola that "refreshing something" you want with lunch. It's a natural partner of good things to eat . . . the drink that makes lunch time refreshment time. Try it yourself today.



Dr. West's *Miracle-Tuft*

Sensational new Du Pont EXTON made it possible!



Gone is the day of the toothbrush that shed bristles . . . went soggy in water and failed to clean. Here in Dr. West's *Miracle-Tuft* you see a brush that ends animal-bristle troubles forever. The secret is Du Pont Exton, an exciting new bristle-like filament that's perfect for toothbrushes.

Exton is non-porous, hence it won't go soggy when wet . . . cleanses thoroughly. It's uniform, too—won't split, break off, or come out in your mouth. And it's ideal for gum massage! In either the *Regular* size or the two-row *Professional* size, Dr. West's *Miracle-Tuft* points the way to cleaner, lovelier teeth.

★ Heretofore all toothbrushes have been made with animal bristles. Now after years of research, DU PONT EXTON BRISTLE, a product of Du Pont Chemistry, has been developed and is used in Dr. West's *Miracle-Tuft* exclusively.



1 **NO BRISTLE-SHEDDING**—Exton is uniform—microscopically perfect! Cannot possibly break off or come out in your mouth.

2 **99.7% WATER-PROOF**—Exton is non-porous! This new laboratory-made product cannot get limp or soggy when wet.

3 **LONGER LIFE**—Scientific tests show that Exton outlasts animal bristle two to one. Cannot scratch enamel.

4 **NEW SPARKLING BRILLIANCE FOR TEETH**—Greater tooth-cleaning power by far than has ever before been possible.

Copr. 1939 by West Products Company

SEALED IN GLASS... SURGICALLY STERILE

50¢

MODERN LIVING



LIKE A POSTRIDER'S TOPPER IS THIS FALL, 1939, HAT OF LIZARD SKIN

POSTILION HAT IS DARK HORSE

Although the smart millinery money is backing, for fall, hats with deep backs, snoods, bustles and other devices which cover the hair, the little postilion hat shown here looms as the dark horse of the season. First shown by Lilly Daché in June, it is now being re-ordered in velvet, antelope, fur and felt.

At Germaine Monteil's fall-fashion show, it was shown with morning dresses and formal suits (*lower right*). At Pattullo's, a softer, draped version made by Jay Thorpe topped dressy afternoon outfits (*lower left*). Stylists predict that women who like the youthful look of flowing back hair will forego the sleek smoothness of the snooded turbans for the perky postilion.



SOFT POSTILION WITH FOX JACKET



STIFF POSTILION WITH FORMAL SUIT

Up One-Third In Value
...Down 27% In Price!



G-E Model H-87—8 tubes—3 bands—new Super Powered Chassis—Tremendous sound output with the new 14-inch G-E Dynapower Speaker—new Sight Angle V-scalox Dial—new Featherweight Tuning (9 keys)—new Super Beam-a-scope (no aerial—no ground wire)—new Dust Proof Station Setting—new Floodlighted Station Finder

The more you compare radio values this year, the quicker you'll choose a 1940 General Electric.

All the new 1940 General Electric Radios are record-breaking values.

Model H-87 shown here is priced 27% below last year's G-E price levels. And it offers more new top-price features than any G-E Radio ever sold at anywhere near its price.

Stop in at your nearest G-E Radio Dealer—See and hear the radio buys of the year.

BUILT FOR TELEVISION

The G-E Television Audio and Phonograph Key (standard equipment on the new 1940 General Electric Radio) supplies the "voice of television" through the radio loud-speaker—when used in conjunction with any G-E Television Picture Receiver.

Liberal trade-in allowances. Easy terms.



New 1940 G-E Model H-500. 5 tubes. Super Heterodyne. Standard broadcasts and police band. Dynapower Speaker. Smart plastic cabinet.

Plays electrically 10-inch or 12-inch records through the speaker of any radio. Crystal pick-up. In Ultra-modern brown plastic.



The Radio With The Big Plus Value

GENERAL ELECTRIC

SCULPTOR SIDNEY WAUGH DESIGNS AMERICA'S FINEST MODERN GLASS



SIDNEY WAUGH WORKS ON GLASS PIECE

Quietly and unobtrusively, scores of artists in the U. S. are turning out designs for simple, functional housewares which may well become the museum pieces of the future. In the field of decorative and useful glass objects, Sidney Waugh, talented young sculptor, is now recognized by connoisseurs as the outstanding artist in this field. But to the general public which buys household glassware, his name is unknown

Sidney Waugh became interested in glass designing five years ago when, with two other young men, he took over the artistic direction of the Steuben division of the Corning Glass Works. Various designing skills are required for creating artistic glassware A sculptor's skill is needed for molding objects to be made of blocks of solid crystal. For objects of blown glass, the artist must first sketch the shape of the object, then work with the glass blower for final adjustments and corrections. If pieces are to be decorated, the artist makes the sketches. His forms must balance with the mechanics of the engraver's wheel and the size and shape of the piece

In grandma's day, glass was intricately cut so as to magnify the reflections of light and hide the grayness and the flaws in the crystal. Good modern crystal is clear and flawless and is cut to show mercilessly the quality of the glass itself.

Waugh's Zodiac Bowl, one of the finest examples of engraved glass in the world, has been acquired by the Victoria and Albert Museum London At left are its detail figures enlarged

CONTINUED ON PAGE 34

Nobodies on the road to Nowhere!

A BOY AND GIRL—THEIR EYES ON THE STARS—
AND NO PLACE TO LAY THEIR HEADS DRIVEN,
DESPERATE, REBELLIOUS FIGHTING A WORLD FOR
THE RIGHT TO LIVE, THE RIGHT TO WORK AND
LOVE—WHILE DESTINY TWISTS THEIR EVERY ACT
INTO A ROPE AROUND THEIR NECKS! A PICTURE
OF ALL THE HEART CAN KNOW OF STRUGGLE
AND ECSTASY. TRUE AS LIFE. TIMELY AS TO-
MORROW. BIG ENOUGH TO STIR THIS NATION!

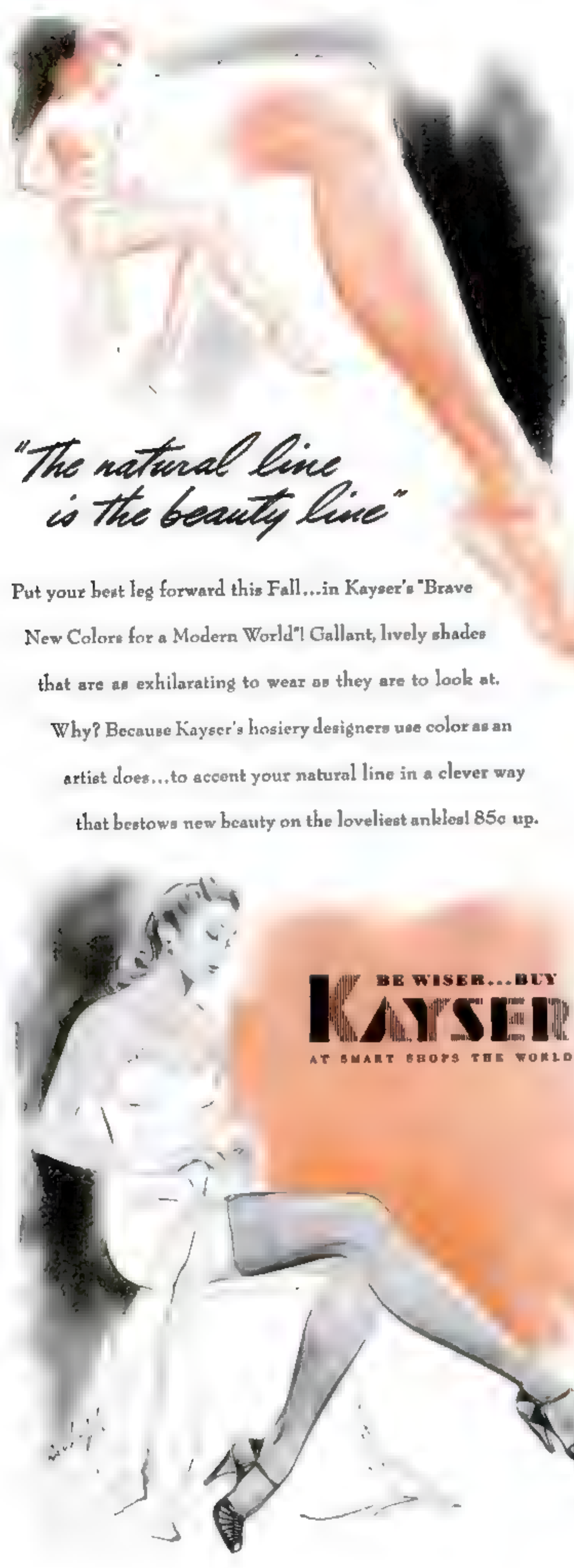


WARNER BROS. OFFER

JOHN GARFIELD and PRISCILLA LANE

"DUST BE MY DESTINY"

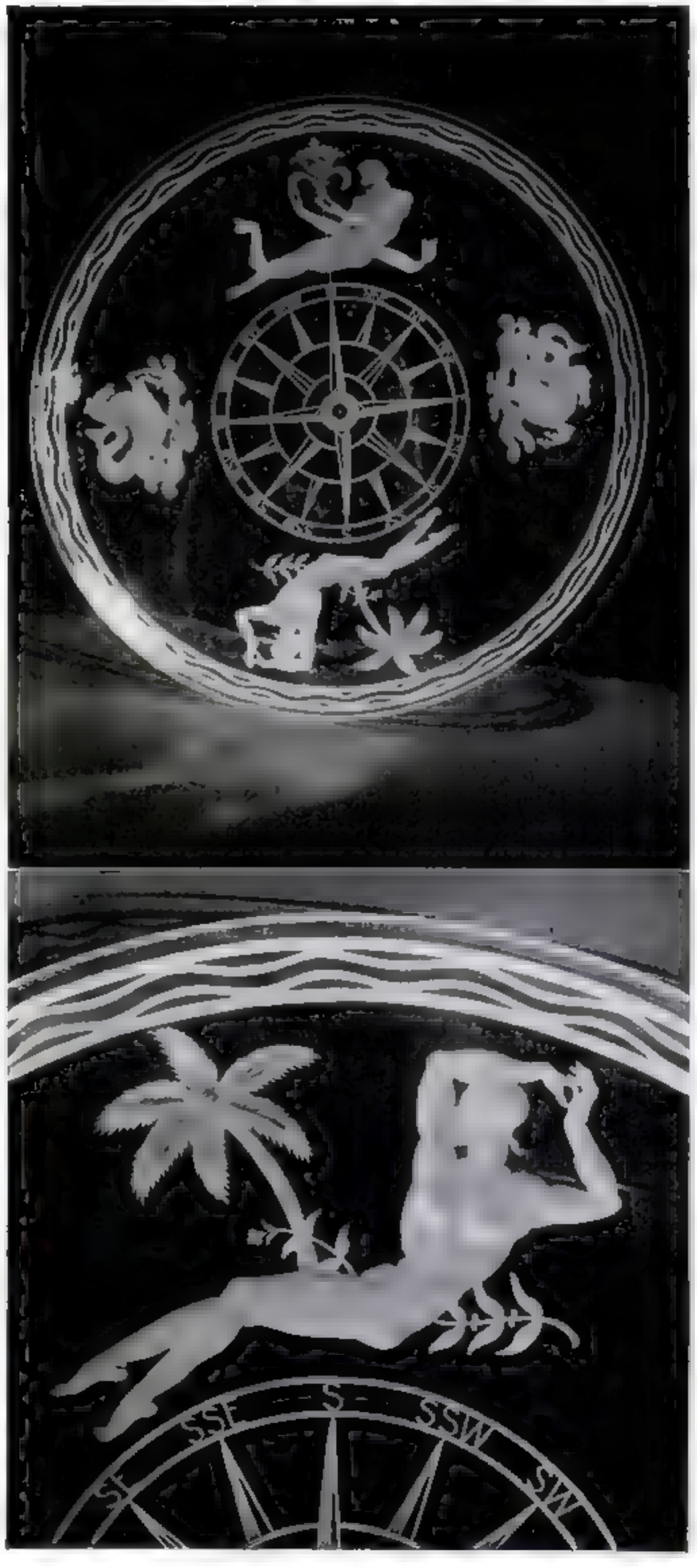
with ALAN HALE · Frank McHugh · Billy Halop · Directed by LEWIS SEILER · Screen Play by Robert Rossen · From a Novel by Jerome Odlum · A First National Picture



An engraved fruit dish for $600 by Waugh

The mariner's bowl shown on this page is a circular dish 16 in. in diameter supposedly for holding fruit. Since it costs $600, and only five like it have been made, it has become a collector's item. The design is an adaptation of the mariner's wind rose and compass which have been done frequently on metals. This is probably the first time it has been adapted to glass.

The top figure, in direct line with North, holds a stylized fleur de lis, the symbol for North. The artist's symbol for South, shown in detail, is Mr. Waugh's favorite figure. In the original sketch, Mr. Waugh had a Negro cupid shooting his bow and arrow at the Negro belle. The Steuben directors thought that prospective customers might not like it so the cupid was changed to a palm.



CONTINUED ON PAGE 36

LIFE CLASS IN BABY COMFORT



LITTLE LEONARDO wears Vanta's No-Pat Nitap Sleeveless Vest Vanta No-Belt keeps the shoulder straps securely in place He paints a

PORTRAIT of Vanta's new Hospital-Sterilized Diapers — the most modern and scientific Diapers ever made

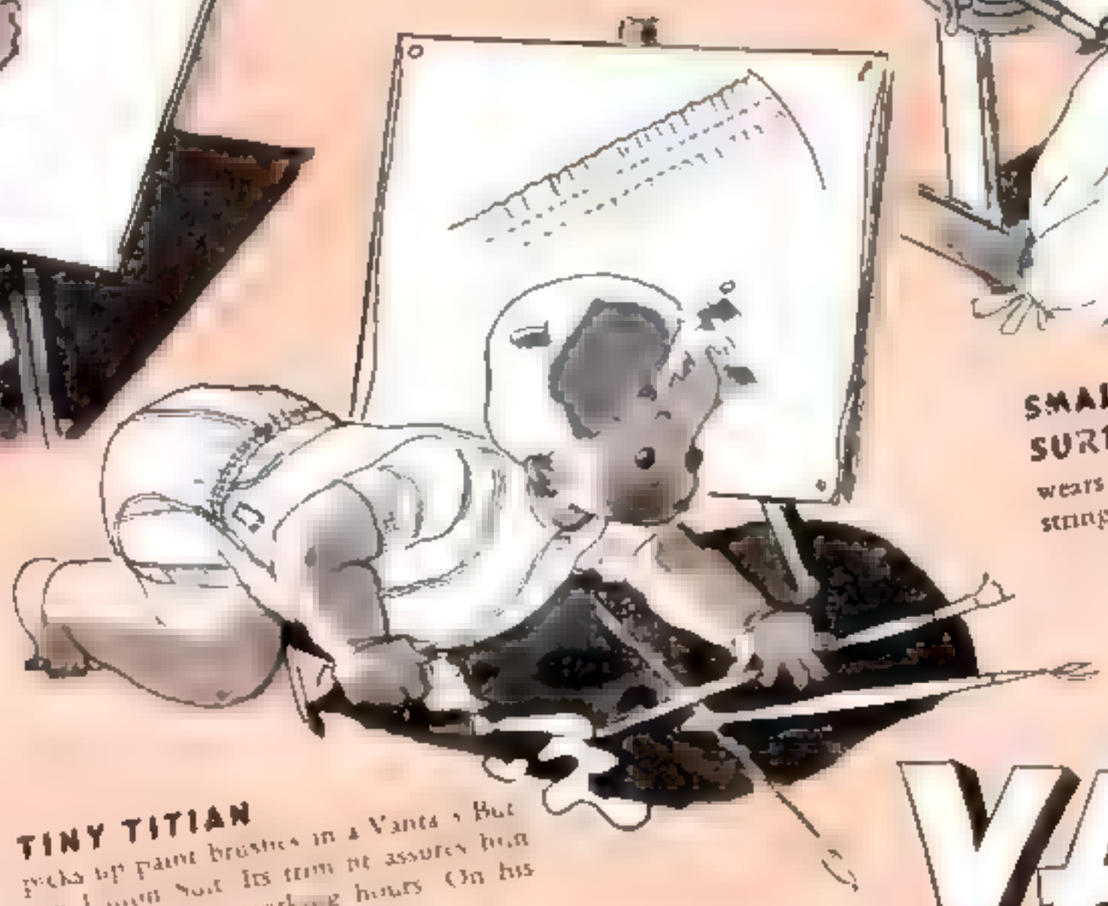
MODEL ON THE DAIS poses in a Vanta Double-Breasted Vest. The fastenings of Twistless Tape eliminate the danger of pins and buttons, and make the garment adjustable to her rapid growth She finds the double-breasted style easier to put on in a hurry (Made in long and short sleeved styles)





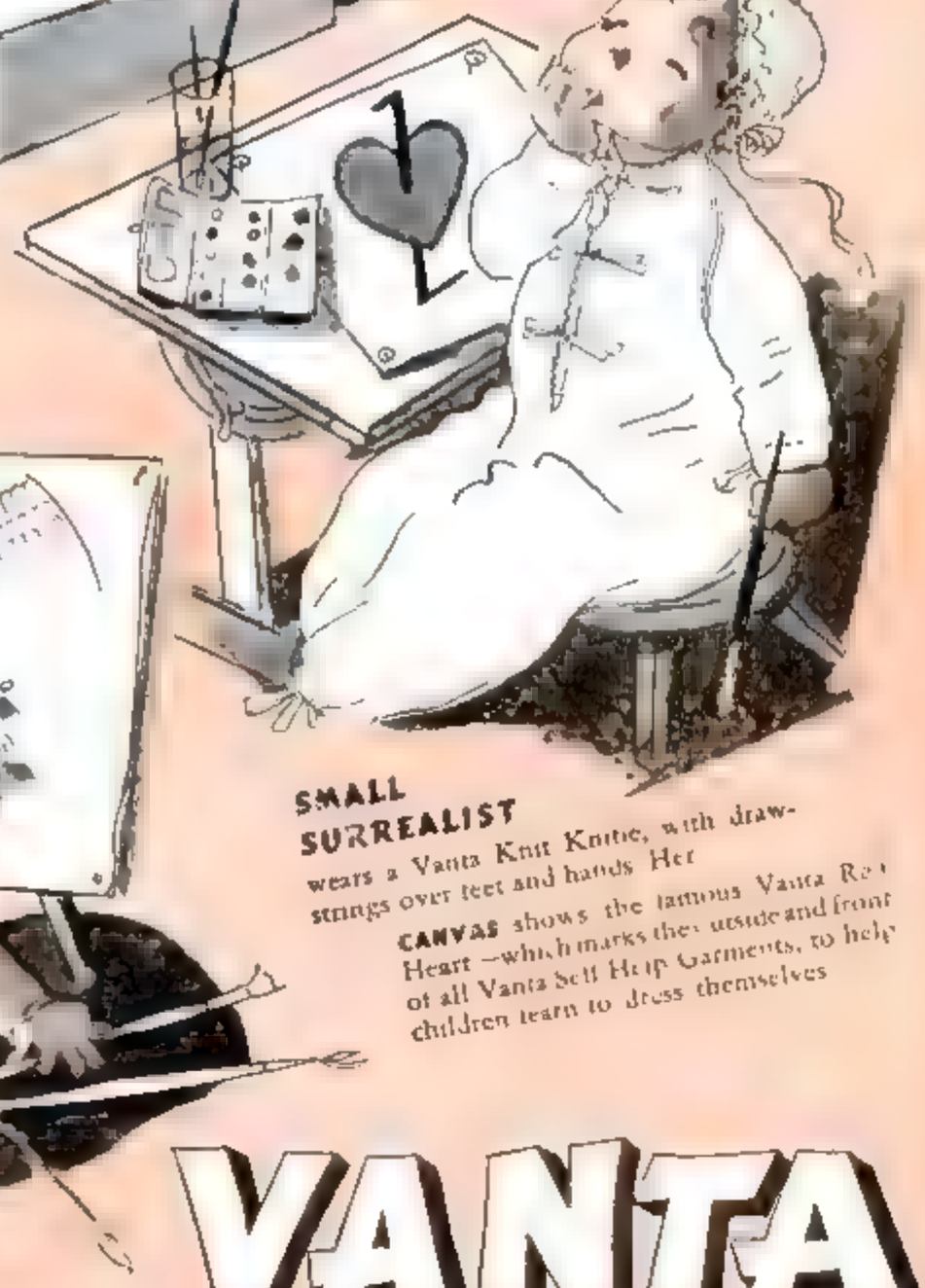
SERIOUS STUDENT leans over her easel in Vanta Training Pantes Their different fit helps to train her after graduation from the Diaper Class. (And there are extra thicknesses through the center just in case) She is working at a

STILL LIFE drawing of a Vanta seam, but wicked it to outside to guard her skin from irritation



TINY TITIAN picks up paint brushes in a Vanta Button Down Suit Its trim fit assures him comfort during working hours On his easel is a

SKETCH of Vanta's patented No-Belt, used in many garments in place of elastic. This soft band of live rubber gives extreme elasticity, is guaranteed for the life of the garment.



SMALL SURREALIST wears a Vanta Knit Knitie, with drawstrings over feet and hands Her

CANVAS shows the famous Vanta Red Heart —which marks the outside and front of all Vanta Self Help Garments, to help children learn to dress themselves

VANTA

GARMENTS

FOR INFANTS & CHILDREN



NO! White Rock is *not* a local tap-water, carbonated. That's important, if you want to bring out the fine, delicate flavors of your rare, old whiskies.



YES! It is a pure *mineral* spring water with a keen mineral tang. That's what you need to improve the flavor and make all your drinks taste better.



MAYBE you didn't know it! But three cents is all it costs you to mix a long drink with White Rock, if you use the economical Large Party Size.

White Rock

ON THE ALKALINE SIDE

Modern American Glass (continued)

Most popular among Mr. Waugh's glass objects for the home are those shown here. The sugar bowl and creamer are of clear blown glass made after pencil drawings. Pigeons and fish are solid glass molded from plaster models, cost $30 and $20 each.

The making of models for solid-glass objects requires special skill because of the limitations of the medium. Thick solid blocks are likely to have bubbles. Ideal forms are those with smooth flowing lines and a nice balance between slender and heavy mass.



DAMON RUNYON
writes facts (and fiction) in Schenley Exam!



SCHENLEY'S "LIGHT IS RIGHT" EXAM

1. What are congeners in whiskey? The grains, maybe? Me – I flunked chemistry! Wrong! They're flavor elements...

2. What is a light whiskey? One in which the con-what-you-call-ems are minimized. Tisht. Exactly right. ...

3. Is a light whiskey "light" in strength? I'd say so – a little, anyway. Wrong! Schenley's are full 90 proof! Don't let that mislead you! Schenley's deceive you! ...

4. Is a light whiskey short on flavor? Not the kind I go for – Schenley's has plenty! Right! ...

5. What is "Melding"? The ice in my highball! Right – as ice does – with flavor wrong. "Melding" is the exclusive Schenley method that "marries" mellow flavor – and the right lightness!

ONE MORE QUESTION: Do you think "light is right"? ... In every way – I know from experience! ... Damon Runyon
SIGNATURE

On These Facts . . . You Can Build a Greater Enjoyment of Whiskey

Knowing means *enjoying* . . . This is as true of whiskey as of anything else. Even well-informed people like Damon Runyon, famous newspaper and movie writer, may not know all the facts but he does know that "Light is Right" . . . that Schenley has produced two full strength whiskies that are light, yet smooth and rich.

Schenley believes you, too, may benefit by these facts. . . and by Schenley's exclusive process—*melding*—which "marries" the whiskey blend so perfectly that it retains its rich flavor even though the heavy elements are minimized, achieving *just the right lightness.*

SCHENLEY'S
BLACK LABEL – RED LABEL
Light Whiskies

Schenley's Black Label 65 per cent grain neutral spirits • Sc... spirits • Both are Blended Whiskey and 90 proof • Copyrigh...

REALSILK'S CUSTOMERS' RESEARCH MONTH, SEPT. 11 TO OCT. 9

IT WILL PAY YOU TO WEAR

REAL SILK HOSIERY



Find out why during Realsilk's Customers' Research Month, which is now in progress. To make an appointment to suit your convenience just 'phone the Realsilk Sales Branch in your city—in the 'phone book under Real Silk Hosiery Mills.

P.S. This month Realsilk Representatives are carrying a valuable pamphlet "How To Reduce Hosiery Wearing Costs." A FREE copy is yours for the asking when your Realsilk Representative calls. REAL SILK HOSIERY MILLS, INC., Indianapolis, Indiana.

FROM MILL TO MILLIONS



"CALFLET" SOCKS LIKE THESE WILL GO TO COLLEGE CLASSES THIS FALL

GIRLS' LEGS ON CAMPUS GO SCOTTISH

The pictures of Scottish-looking legs on this page are a preview of what will be seen on college campuses this fall. According to reports from college shops in department stores, U. S. lassies are deserting their long-favored anklets for the new knee-length stockings. Since circular plaid skirts, worn just above the knee, are the most popular college skirt fashion for fall, the Scottish effect will be complete.

The shoes shown on this page are typical of the new sports styles with which enterprising manufacturers are trying to woo college girls away from their perennial favorite, the saddle oxford.

MANY KNEE-HIGH STOCKINGS LOOK HAND-KNIT, HAVE ELASTICIZED TOPS





"Curtis Pratt, you're getting fat!"

WIFE: *Look at you—you're splitting right out of that shirt!*

HUSBAND: It's not me, sweetheart—it's this blasted shirt. It's shrunk a couple of miles. Fits just like a size 10 strait jacket.

WIFE: *Curtis Pratt, don't tell me you've been buying some of those "pre-shrunk" shirts again!*

HUSBAND: Well, I saw a sale and—

WIFE: *And you thought maybe this time they wouldn't shrink, eh? It serves you right for not asking for* Sanforized-Shrunk.

HUSBAND: But aren't they the same—Sanforized-Shrunk and pre-shrunk?

WIFE: *Heavens, no! Sanforizing is patented and* controlled. *Sanforized-Shrunk fabrics can't shrink more than a small 1%, by Government Standard Test. The tags say so. If you'd bought that shirt Sanforized-Shrunk, it wouldn't have shrunk out of size—not if it were washed a hundred times.*

HUSBAND: Well then, by golly, I'm going to put on one of my Sanforized-Shrunk shirts right now and show you *I* haven't got out of size.

WIFE: *They're in that second drawer, fresh from the laundry —along with some Sanforized-Shrunk shorts and pajamas I bought you the other day. None of these things cost a penny more than those goofies you pick up. And you can get them in all stores—at all prices.*

HUSBAND: (Putting on fresh shirt); Ah-h—wonderful! Fits to a T. . .Who said I was getting fat?

WIFE: *Only around the ears, dearie. Most men these days don't have to be told about Sanforized-Shrunk!*

Psst! Here's another tip—

You can get this shrinkage protection in other things besides shirts, shorts, and pajamas. Just look for the words "Sanforized-Shrunk" on *anything* made of cotton, linen, or spun rayon.



To be sure of permanent fit...look for the words...Sanforized-Shrunk



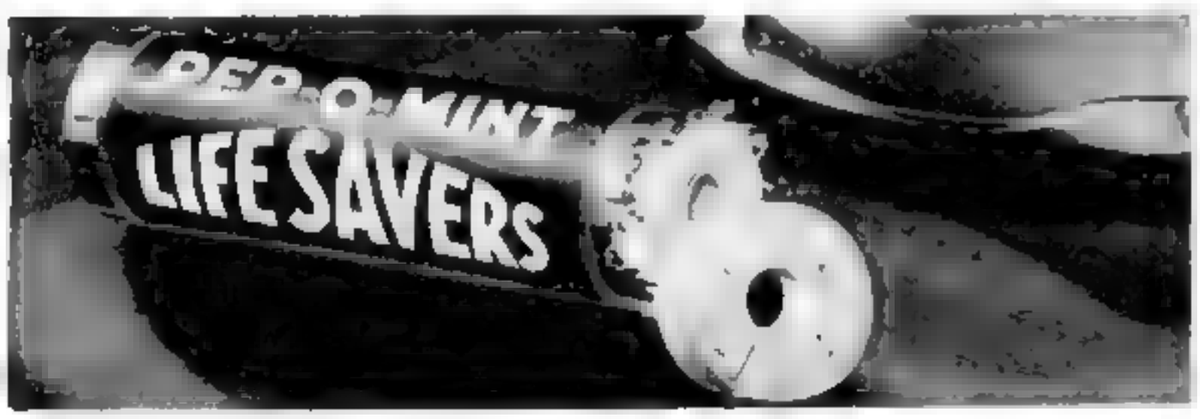
"**Many a girl** flags a man's interest . . . then her breath makes his interest flag. Better keep *your* breath sweet with PEP-O-MINT LIFE SAVERS!"



"**I'm never** at sea when it comes to deciding what flavors I want. I get FIVE FLAVOR LIFE SAVERS 5 delicious fruit flavors in one package!"



"**Nothing's** quite so refreshing as a PEP-O-MINT LIFE SAVER after meals—unless it's a PEP-O-MINT *between* meals!"



Everybody's breath offends sometimes after eating, drinking, or smoking. Let LIFE SAVERS save yours. 13 delicious mint and fruit flavors. Sold everywhere, 5¢.

When you visit the New York World's Fair, don't miss the 250-foot Life Savers Parachute Jump. A real thrill!

SCIENCE

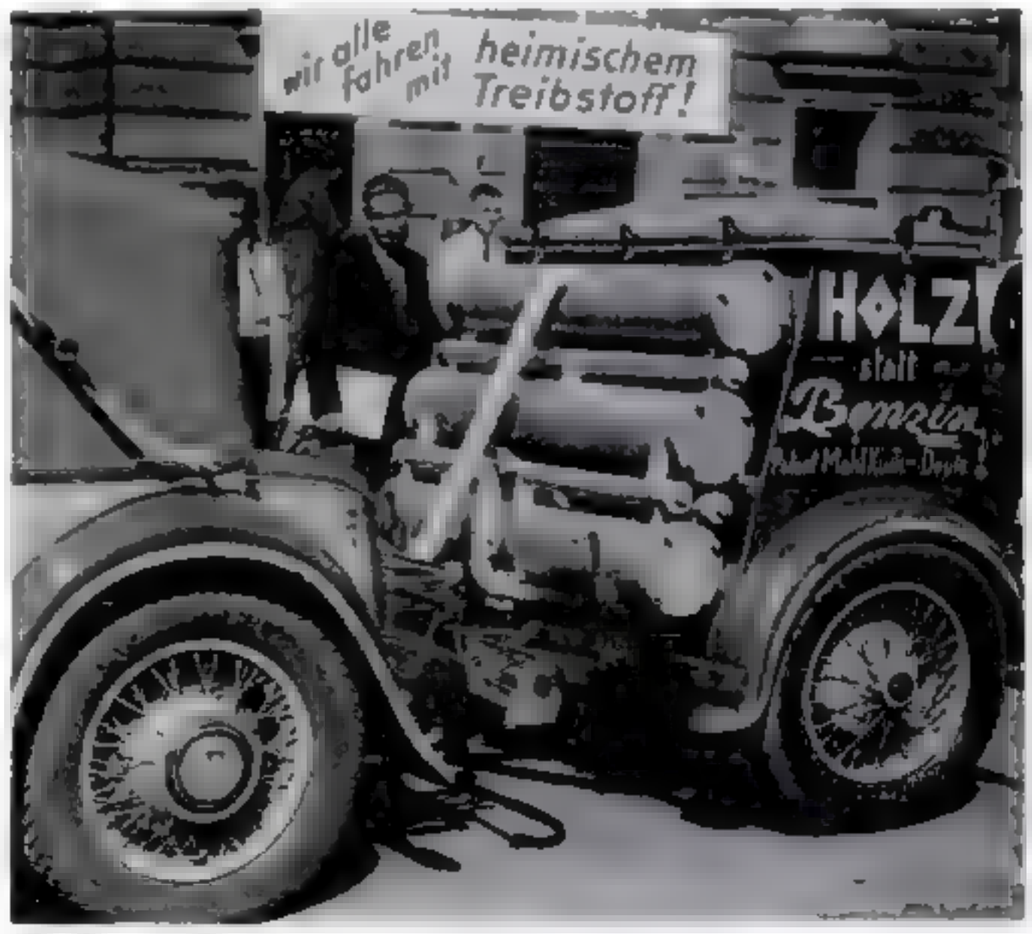
GERMANS LIVE SUBSTITUTE LIVES

In Germany's delicately balanced internal economy the word "ersatz" has lately had increasing importance. Ersatz or substitute products are the Reich's answer to the problem of living at home on home-grown raw materials. Such substitutes assume even more importance today as Germany goes to war and Britain sets up a blockade.

To produce ersatz materials of every sort, the high skill of German scientists has been taxed to the limit. Sometimes the results seem a little absurd as in the case of doorknobs made of milk derivatives. More often, they are highly important. "Buna," the German artificial rubber, has better wearing qualities than the natural product. Synthetic gasoline, made from coal, may some day make Hitler independent of the Eastern European oil fields that he looks at so longingly today. Many of the ersatz products, however, are acknowledged stop-gaps acceptable only in a country that has already felt the pinch of acute shortages. For example, little can be said of the cellulose "wool" from which German clothes are made except that it is better than the paper that they had to wear in 1918.



Ersatz fabrics, made out of wood cellulose, are displayed in the orthodox manner by pretty girl models. In texture and feel these fabrics are a great deal like rayon.



Wood for gasoline. A compact plant in this car's trailer burns wood and traps the combustion gases for car fuel. Natural gas and synthetic gasoline are also used.



"Buna" tire *(right)* actually outwears the other tire made of natural rubber.



Heavy hawser is made of cellulose rather than hemp fiber. It is strong and lasting.



Magnesium keys show the lengths to which the Germans go to preserve iron.



Wood-fed hogs produced these sides of bacon. Wood feed may become a staple.



Wood-flour bread and various other ersatz foods are sold in all German stores. Mixed with wheat flour, wood flour is supposed to be healthy for diabetics and fat people.



Jeanne Barrie*

CAPTURES THE AUTUMN SPOTLIGHT

WITH "LYNFIELD TWIST"

Come forth to greet Fall in a casual coat with fashion tang! The wide nubby diagonal weave of "Lynfield Twist" is tuned to the latest fabric slant . . . in black and colors ag ow with the beauty of Autumn foliage! The befitted look of the sculptured coat with swing skirt . the nonchalant swing of the swagger . . . express the season s most spirited silhouettes! Misses, women's and junior s zes . 19.95

JEANNE BARRIE MODES sold in one Fne store in 100 c t es, coast to coast

For the store in your city, write NATIONAL MODES, 130 W. 31st STREET, N. Y.



*Reg. U. S. Pat. Off. Swagger Coat, only $17.50

LINED WITH DUCHESS ACETATE RAYON SATIN

TAILORED BY SHIPMAN & BAKER, 500 SEVENTH AVENUE, NEW YORK CITY



DAIRY FARM AT BELTSVILLE HAS LABORATORIES, TWO KINDS OF SILO, PASTURES BEHIND

BELTSVILLE

RESEARCH CENTER HELPS FARMERS GROW FOOD FOR A WORLD AT WAR

War in Europe means that once again it will be up to the U.S. farmer to feed a great part of the world. Most problems of overproduction and subsidy will fade before the pressing demand from abroad for more wheat, more corn, more beef and hogs. Thus it was in the first World War and thus last week it bade fair to be again, with wheat at 86¢, rising 5¢ a day (its regulated maximum) and headed for a dollar a bushel.

Thanks to the development of scientific agriculture, the U.S. farmer is ready to grow bigger and better crops than ever before. In the years since the last War, he has received enormous help from the experiment stations run by the various States and the Federal Government. Of these stations, the greatest is the Department of Agriculture's research center at Beltsville, Md., 13 miles outside Washington. Here, in the world's most comprehensive agricultural experiment station, 250 scientists are at work with plants, animals and insects. Their interests cover all of farming: cattle that give extra quarts of milk, tomatoes that resist rust, pigs that fatten younger, eggs with thicker whites. They have certain immediate duties (by act of Congress every Queen bee imported to the U.S. must be examined by Federal experts) but most of their work is in long-range problems of genetics, breeding better animal and plant types. Herewith LIFE shows some of their current experiments.



Plants in darkhouse are rolled outdoors for set number of hours each day, to test response to certain amount of sunlight. For tests longer than possible outdoors, the lights in the darkhouse are turned on. These experiments show that Biloxi soybeans will flower if given approximately 14 hours of light daily; will only run to leaves if given more.



Beltsville chemist works on test flasks and bottles, filter (*foreground*) and distilling apparatus (*right and above*). Biochemistry is most important at the Government Research Center where researchers investigate different plant and animal diseases, study the role hormones play in reproduction for fecundity in cattle, the relation of hormones to milk secretion.

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U.S. STUDIES HOW TO KILL INSECTS AND FEED PLANTS

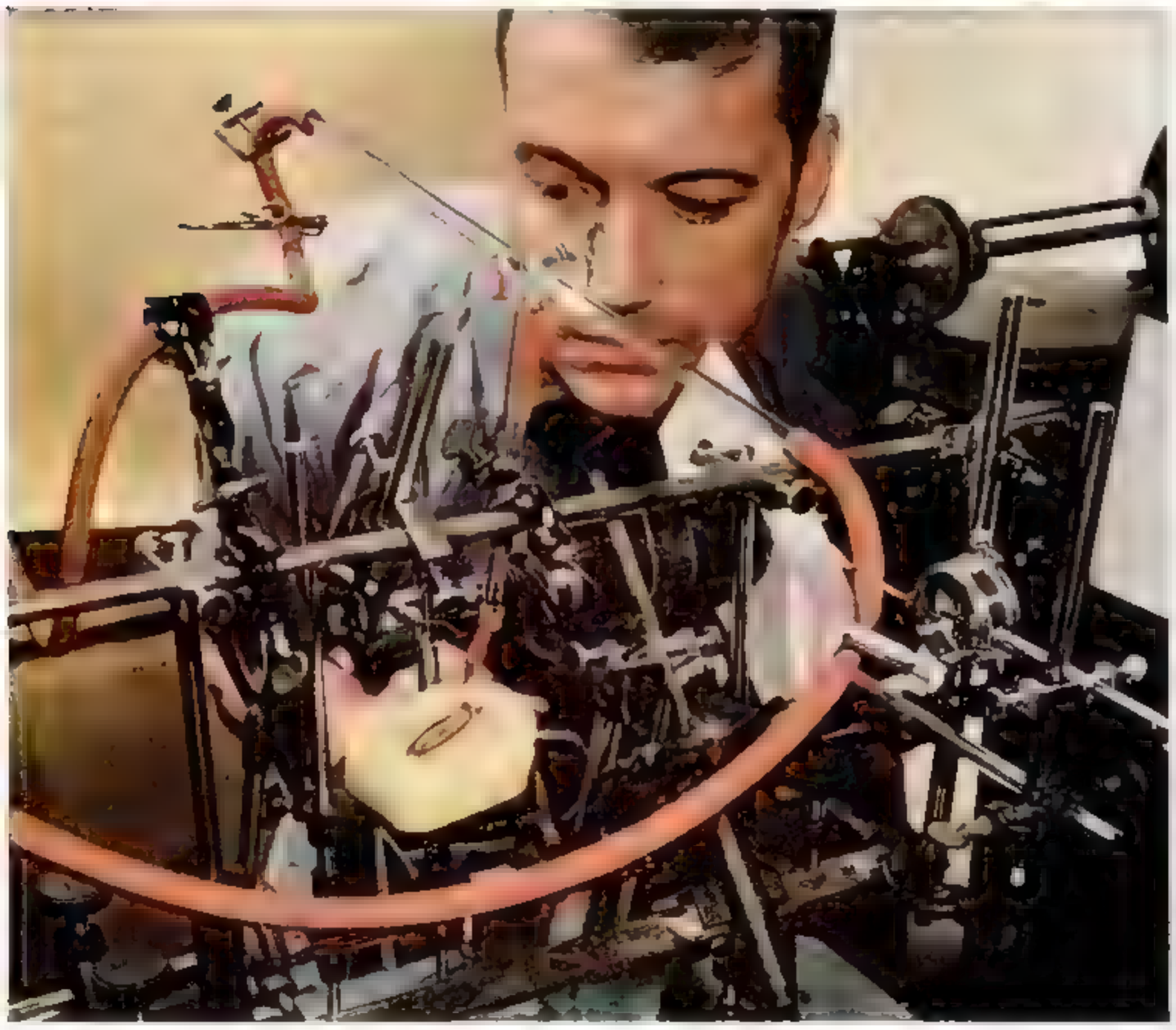
Just as important as genetic experiments to produce better types of animals and plants is the continual battle against insect pests, whose yearly damage exceeds $1,000,000,000. Beltsville scientists devise treatments for parasites that attack livestock, work out better methods of protection against the clothes moth and carpet beetle, annual destroyers of $100,000,000 worth of fabrics. Commercial insecticides are analyzed and tested to find out if they accomplish everything claimed for them. Those failing to meet the requirements are taken off the market by the Food & Drug Administration.

The Government's approach to this problem is primarily a study of the physiology of the insects involved. To know how an organism lives is to know how to kill it most efficiently, and the cockroach is one of the entomologist's favorite pets. Hundreds of roaches have been anesthetized (see 1), cut in half and laid on the beeswax block seen in the picture below. Bathed in a salt solution, the insect's heart beats on; its movements recorded by a camera. Different insecticides are then tested for their effect on the heart. Beltsville researchers have perfected a mentine mixture by this means which is an efficient and safe aerosol spray. Pyrethrum is mixed with bentonite, a type of clay that prevents its being washed off the trees in rain.

Besides pest control, the Research Center scientists study market quality of farm products. They have found which varieties of fruits and vegetables should be canned, which sold fresh, which made into preserves or juices. They know the right temperature for storing and shipping fruit so that flavor is preserved—48° for bananas, pineapples, 32° for apples, pears. They have determined what feeds make beef taste best. On these pages are shown other projects going on at the Government's $60,000,000 farm experiments in the feeding and growing of plants and tests with complicated apparatus to settle an old controversy about cattle—what sort of udder gives the most milk.



Apples' No. 1 enemy is the codling moth. Hatching egg is put on a pressed apple plug. Young worm then eats into apple, dies. Quickness of moth is test of the insecticide.



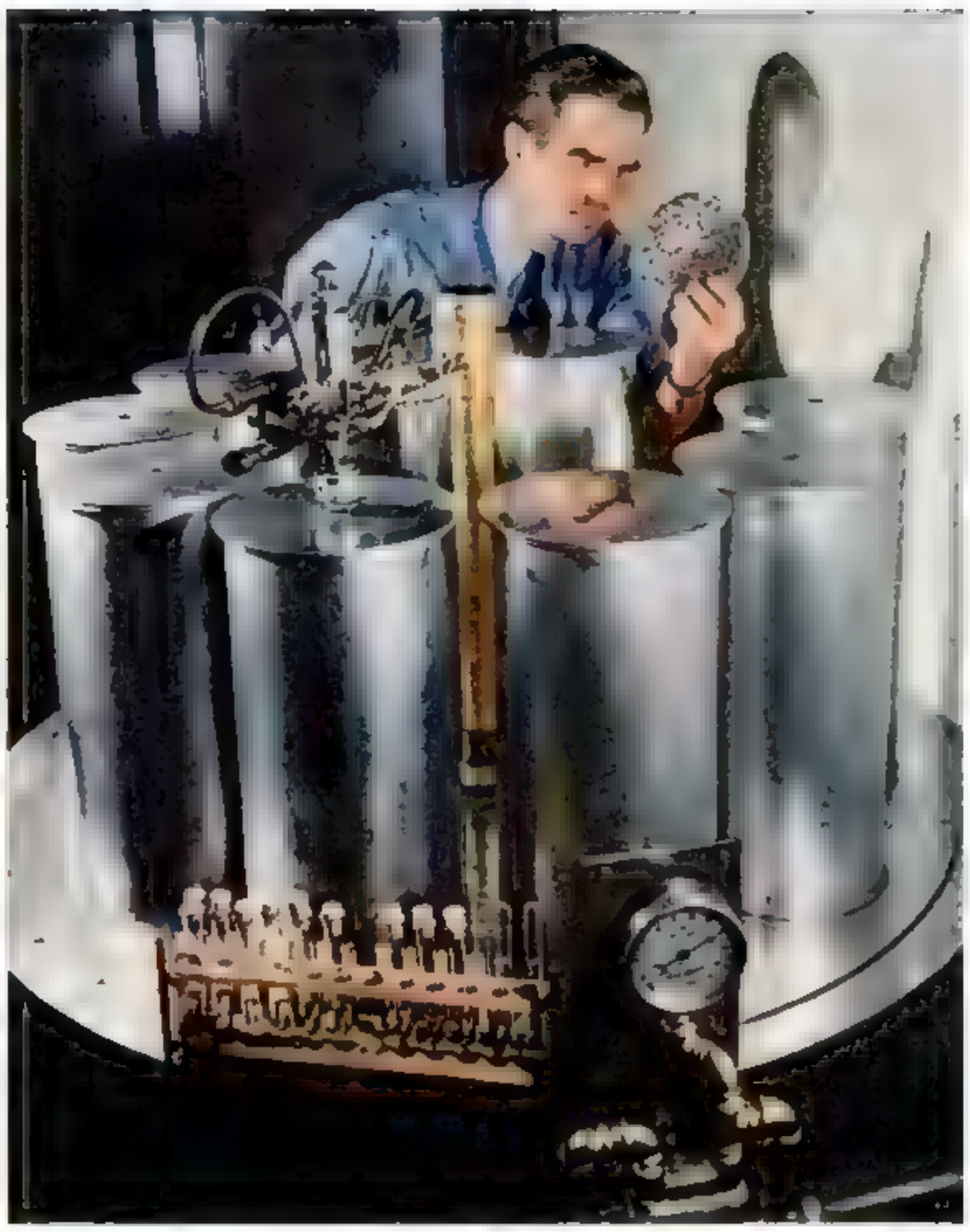
Halt a cockroach pinned to block of beeswax has tip of heart attached to a lever with human hair. Movements of lever record heartbeats. When mentine solution drips on the heart it cannot relax, contracts more and more, finally stops beating.



Different kinds of weather can be produced artificially in this laboratory by varying light, temperature and hu



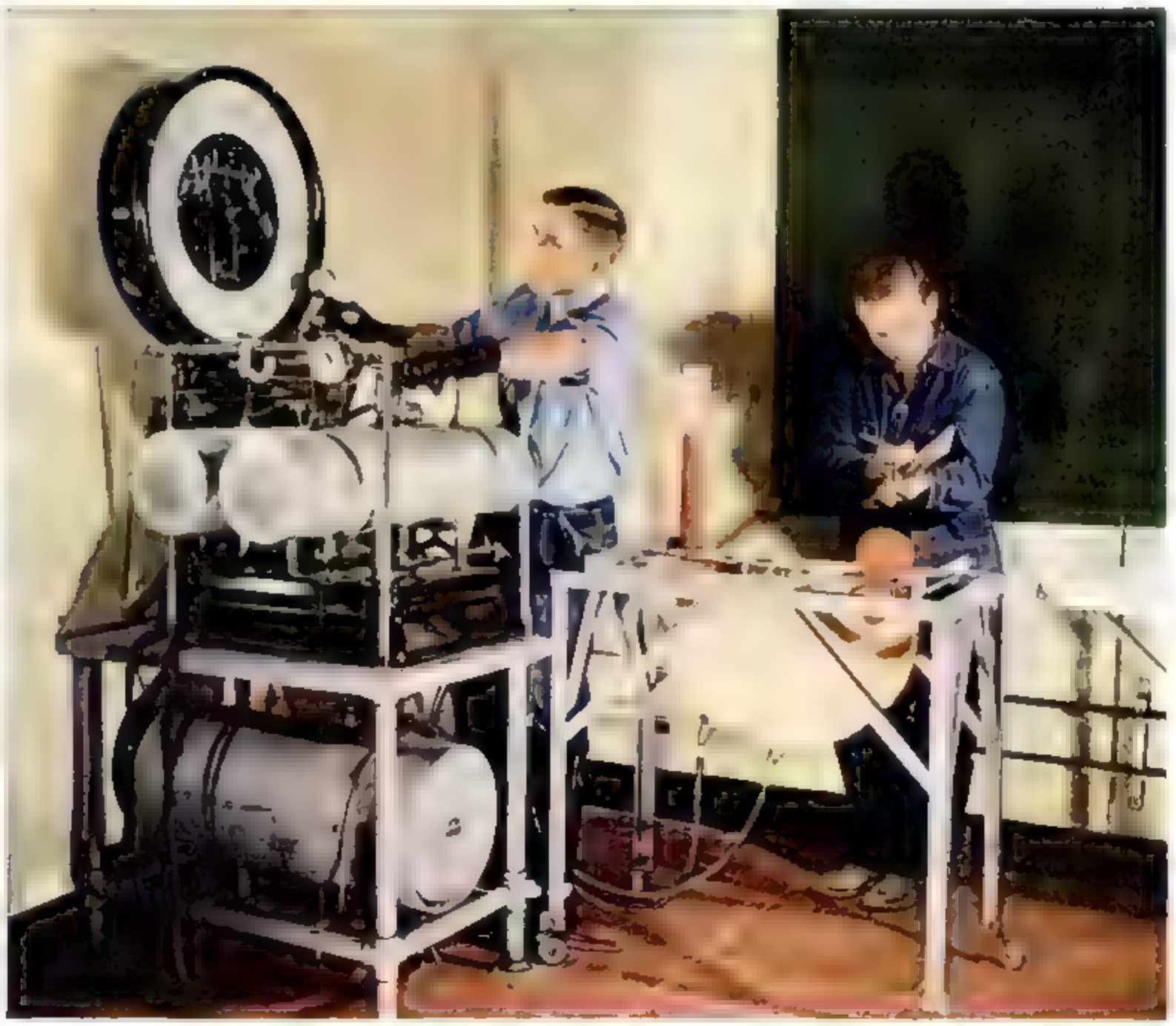
Fruit trees are analyzed in the greenhouse to determine what soil and fertilizers suit them best. Run-off drains into the black bottles and is later analyzed.



House flies are used in this machine to test "contact" insecticides—those that kill when touched rather than when eaten. Different compounds are sprayed from a metal [illegible]

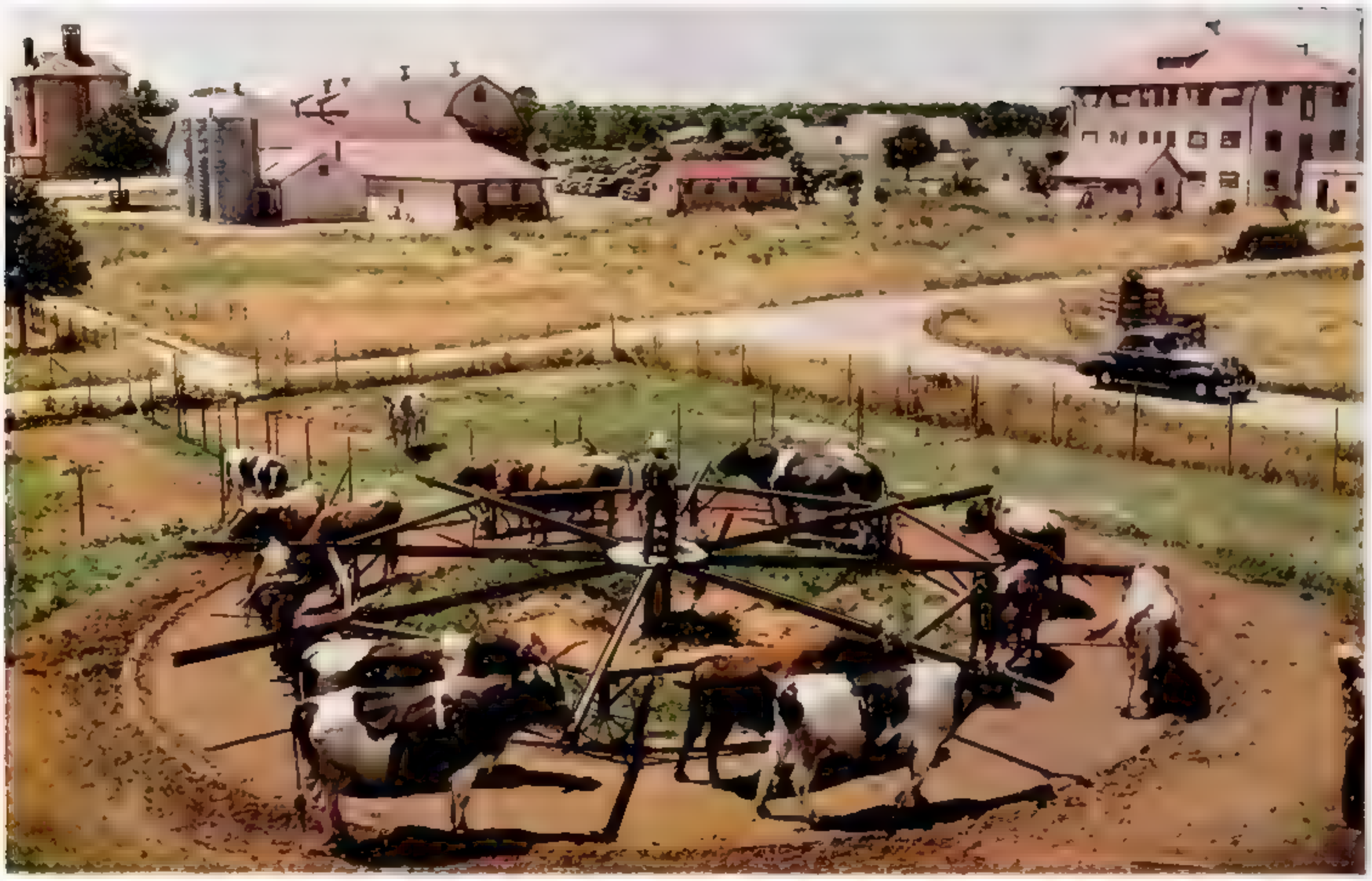


mality. This scientists can determine the effect of climatic factors on plants such as the soy beans shown here.



Amputated cow's udder is tested for capacity. Fluid is pumped from tanks on scales into the udder. Later the udder is sliced thin for microscope study of tissue structure. The findings are correlated with the cow's previous milk-production record.

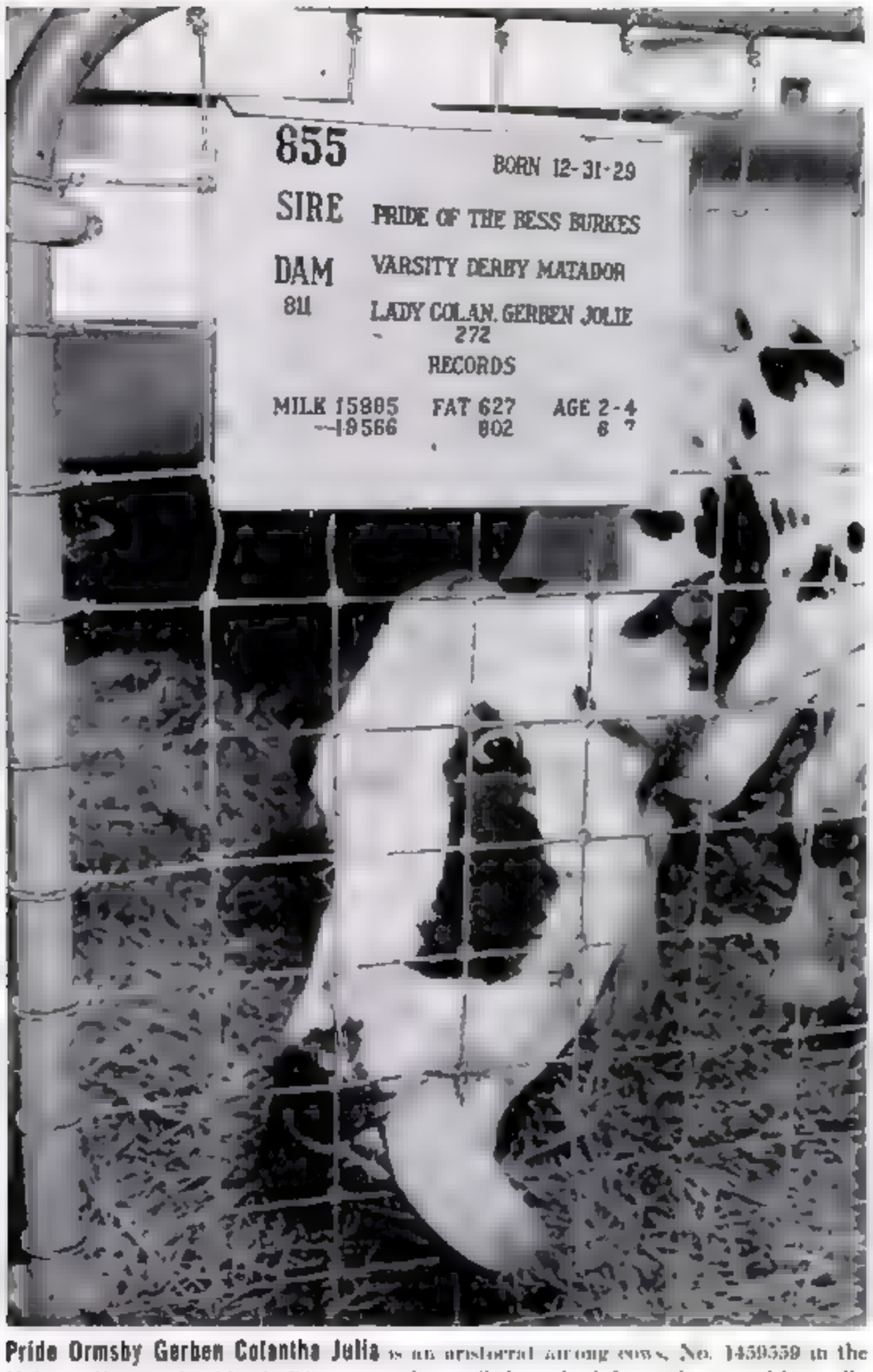
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Government bulls get their exercise walking around this ring. Hour and a half each day tones their muscles, keeps them at top efficiency. Since one-third of the nation's milk cows do not produce enough to pay for their keep, and another third only breaks even, bulls whose daughters prove to be good milkers are highly valued, bred for generations.



Every three months for the first year the calves in Beltsville's experimental herd are led to this checkerboard (marked off in 6-in. squares) and photographed. The measurement, though rough, gives a record of growth and allows comparisons in size between the calves of different parents. The calf's rate of growth is one index of excellence.



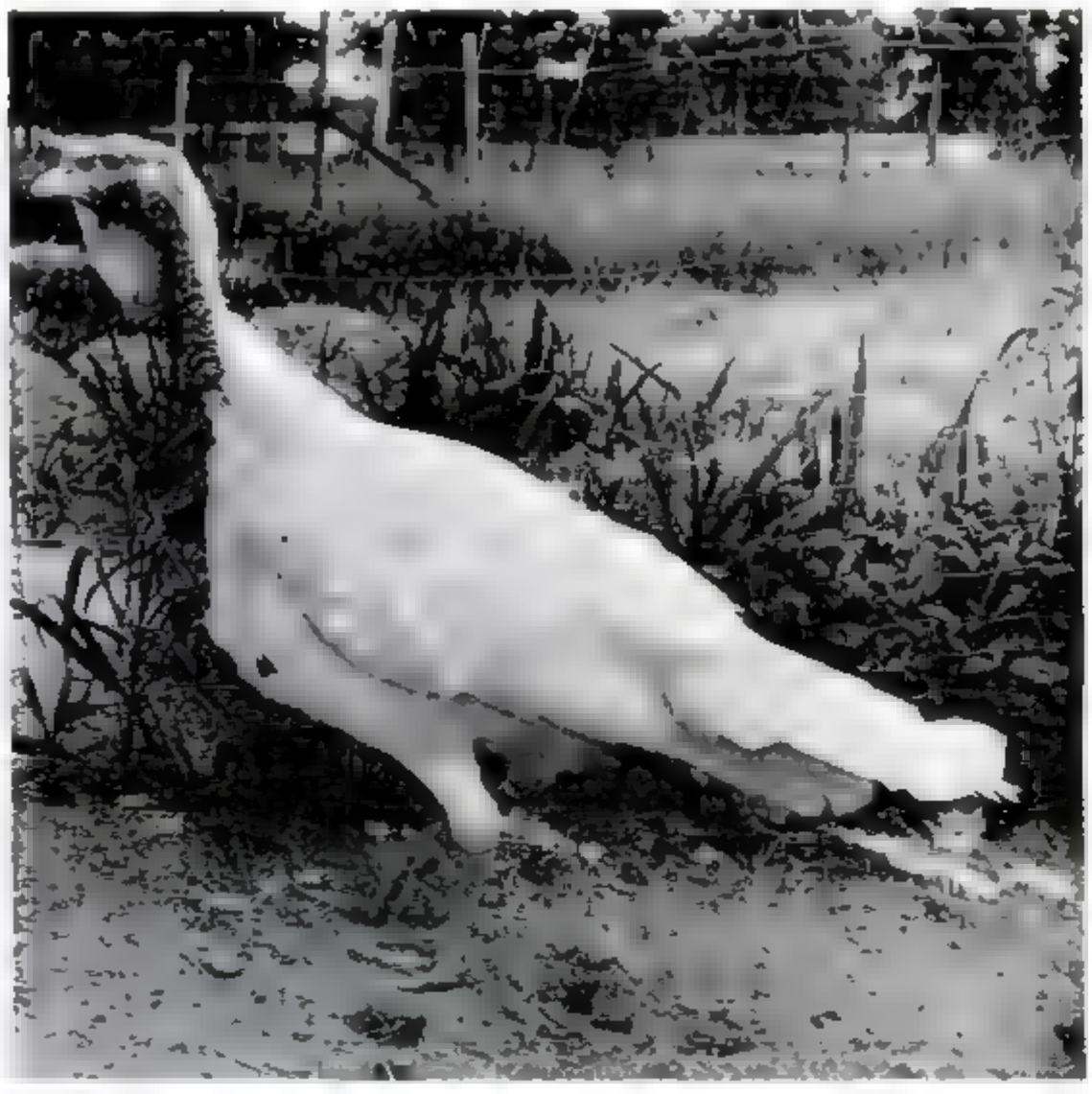
Pride Ormsby Gerben Colantha Julia is an aristocrat among cows. No. 1459559 in the Holstein-Friesian herd-book. The sign on her stall shows both her pedigree and her milk-production record. Julia ranks first among Beltsville cattle in yield on a standard diet.



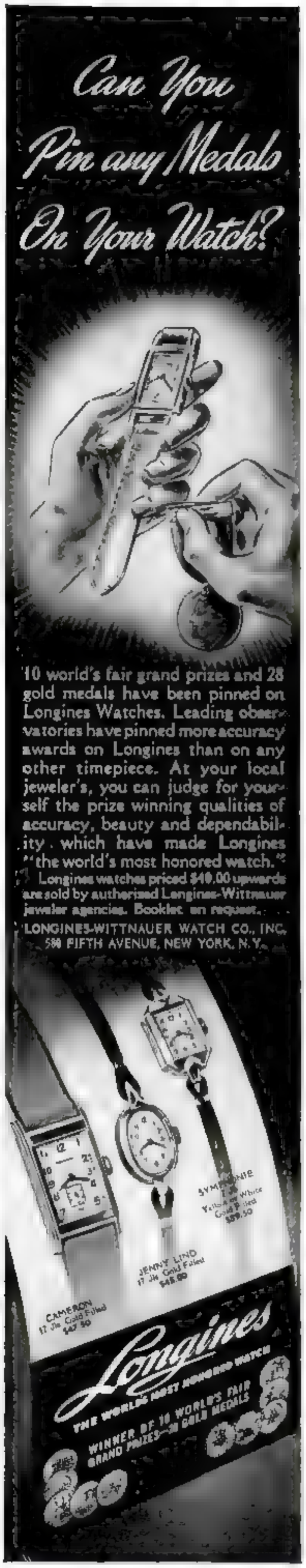
Best sort of pig is one that has 10- to 14-lb. hams, plenty of lean meat in bacon, shoulder and other cuts. These are crosses of long, narrow Danish hogs with domestic stocks. They gain weight as economically as the fat old-fashioned type, yet have much more lean meat.



Valuable fur, rather than wool or meat, is the object in breeding crosses between the hardy black Karakul sheep shown here and domestic sheep. Best skins sell for as much as $10



Streamlined turkey, designed at Beltsville, has more meat on breast, weighs about 10 lb. (dressed) six months after hatching. Small birds like these bring the best market price.





TWO CHAMPIONS, ELSIE HELLWIG OF NEW ENGLAND AND MYRTLE BARTLETT OF THE SOUTHWEST MEET ON THE FIRING LINE

GIRLS WITH GUNS

They shoot against best marksmen in national meet

The sports competition that brings out the biggest number of competitors every year is the National Rifle and Pistol Matches, at Camp Perry, Ohio. This year the match brought 4,000 marksmen to the two-mile firing line. Among them were 300 women, who sprawled on ground, squinted down gun barrels and pressed triggers in open competition with the best shots in the country. In three weeks, contestants fired 2,500,000 rounds of ammunition, broke 21 world records.

Originally women went to Camp Perry to keep house for their husbands in the tents provided by the War Department. They soon found that target shooting, which requires a sharp eye and steady nerves, was one sport in which women could compete equally with men. Today 8% of the members of the National Rifle Association, sponsor of the meet, are women. Particularly expert with small bore rifles and pistols, women have established themselves in the same 8% proportion among the N. R. A.'s top 500 marksmen.



On "ready line" a competitor waits her turn to fire. Padded shooting glove and the elbow pads are used in prone shooting.



Standard costume calls for boots, breeches, padded jacket with club insignia. This girl waits instruction with .30 cal. Army rifle.



Pistol school at Camp Perry attracted more women than ever before. These pistols are standard .45 Army service automatics.

Civilian instruction in the use of the heavy-caliber arms is subsidized with a $500,000 fund in the U. S. War Department budget.



Junior marksmen compete in their own matches with .22 rifles. Among 100,000 junior members of the N. R. A., 12,000 are girls.



Target rifle, standard .22 cal., has simple bolt action and is fitted out with special sights which make for more accurate shooting.

Get All These Extra Values.. In This 1940 Majestic RADIO



Pressing Any Button Turns It On ... Tuned To Your Station

NO GROUND ... NO AERIAL READY FOR TELEVISION SOUND

★ New 1940 Majestic advancements make this radio a revelation! Install it by plugging into any wall-socket. No ground, no aerial needed; Majestic's exclusive new Phantom Antenna does away with them. Turn it on, tuned to your station, by pressing any button. Hear it, with new tone-perfection!—amazing Majestic Static Bi-Pass minimizes man-made interference. Hear everything on the air—standard U. S. broadcasts and foreign reception; police, amateurs, ships. 9 tubes, 12-inch speaker. All this, in a flawlessly-matched, hand-rubbed cabinet that makes any living-room look smarter. See ALL the new Majestics at your dealer's—you'll spend an hour entranced with their beauty and new features.

Get The Vital Advancements FIRST With MAJESTIC



DOUBLE VALUE! POWERFUL RADIO IN AN ACCURATE ELECTRIC CLOCK

No Aerial! . . .
No Ground! . . .

Amazing Performance

5-tube superheterodyne 1940 Majestic radio, with amazing Hi-Q Loop, Majestic Static Bi-Pass and other latest advancements. Hand-rubbed matched walnut veneer cabinet.

Beautiful ivory or onyx plastic case; gold-and-silver mirror face. Dial lights up when radio is turned on. Middlebury clock; 5-tube superheterodyne AC radio.

For name of nearest dealer, write MAJESTIC RADIO & TELEVISION CORP., 2616 W. 50th Street, Chicago. Cable address "Majestico, Chicago." DEALERS! Get the facts on Majestic's complete 1940 line.

Majestic MIGHTY MONARCH OF THE AIR

Star Over Sun Valley, N. Y. C.



With Europe's Laurels on her head, figure-skating Erna Andersen invaded Sun Valley at the New York World's Fair. There capacity crowds go out dreamy-eyed over her lithe beauty of form. Because it slims without restricting, Miss Andersen chooses a Munsingwear Foundette.



Dancing is Miss Andersen's relaxation. Here, again, her magnetic figure-appeal is assured by a Munsingwear Foundette girdle that molds with an amazing new freedom and comfort you've never believed possible.

Evening dress from Lord and Taylor

Only Munsingwear Foundettes have ***3-Way Control:*** (1) *Roundabout Stretch* for molding, (2) *Vertical Stretch* for freedom, (3) *Posture Control* for minimizing figure-faults. Girdles, pantie-girdles, all-in-ones...at better stores.

Munsingwear, Inc., Minneapolis, New York, Chicago



ALLEN WARMS UP AT DES MOINES. HE ALWAYS WEARS A BLACK SOMBRERO

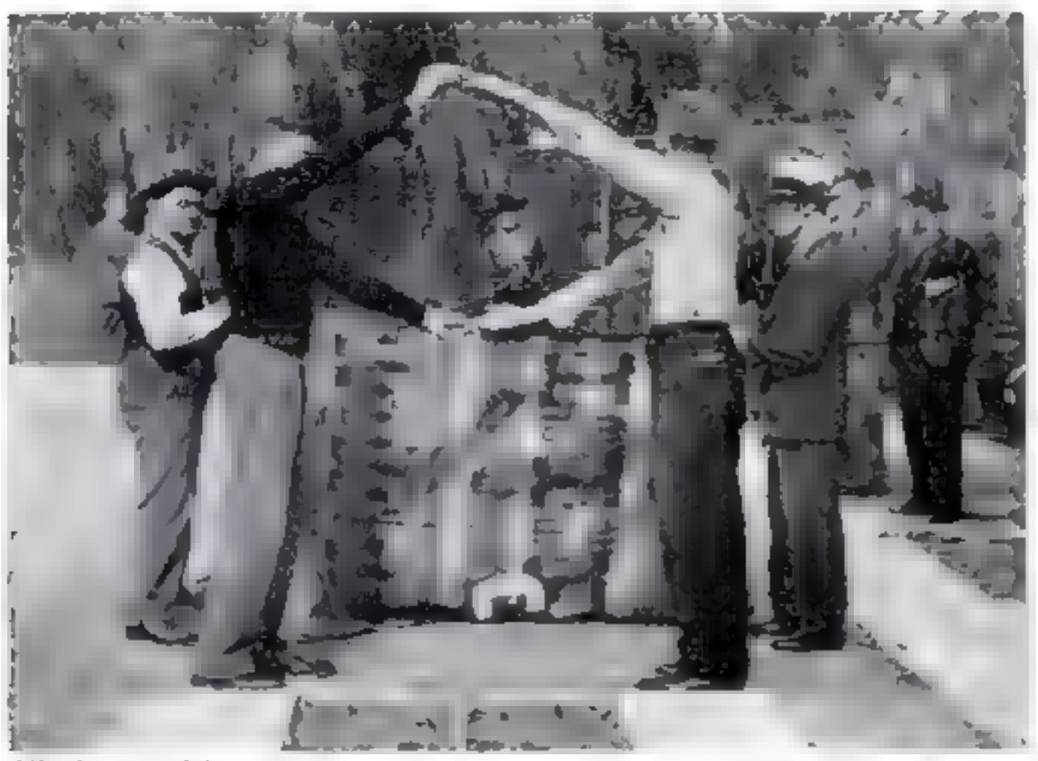
TED ALLEN WINS HORSESHOE MEET

Chunky, 28-year-old Ted Allen manufactures horseshoes in Denver, Colo. Actually, his horseshoes would never fit a horse. They are used only for pitching. To advertise his business, he visits U. S. tournaments, pitches the horseshoes which he himself has made. Because he can toss as many as 100 ringers a game, he is almost never beaten. When he wins, he sells a lot of shoes.

On Aug. 29, Allen was in Des Moines, Iowa, for year's biggest pitching contest. Winning 15 games with a ringer average of 91.07%, he retained national championship for the seventh year in a row.



The meet at Des Moines was a round-robin affair with each of the 38 pitchers playing each other. For the sake of appearances nobody was allowed to wear overalls.



Allen's pet trick is to throw the horseshoe over a gay-colored Indian Blanket, through the arms of two of his assistants, and down around the stake for a ringer.



A ringer is made by Allen while an assistant rests his head on stake. When not selling horseshoes or winning tournaments, Allen makes money doing tricks at rodeos.

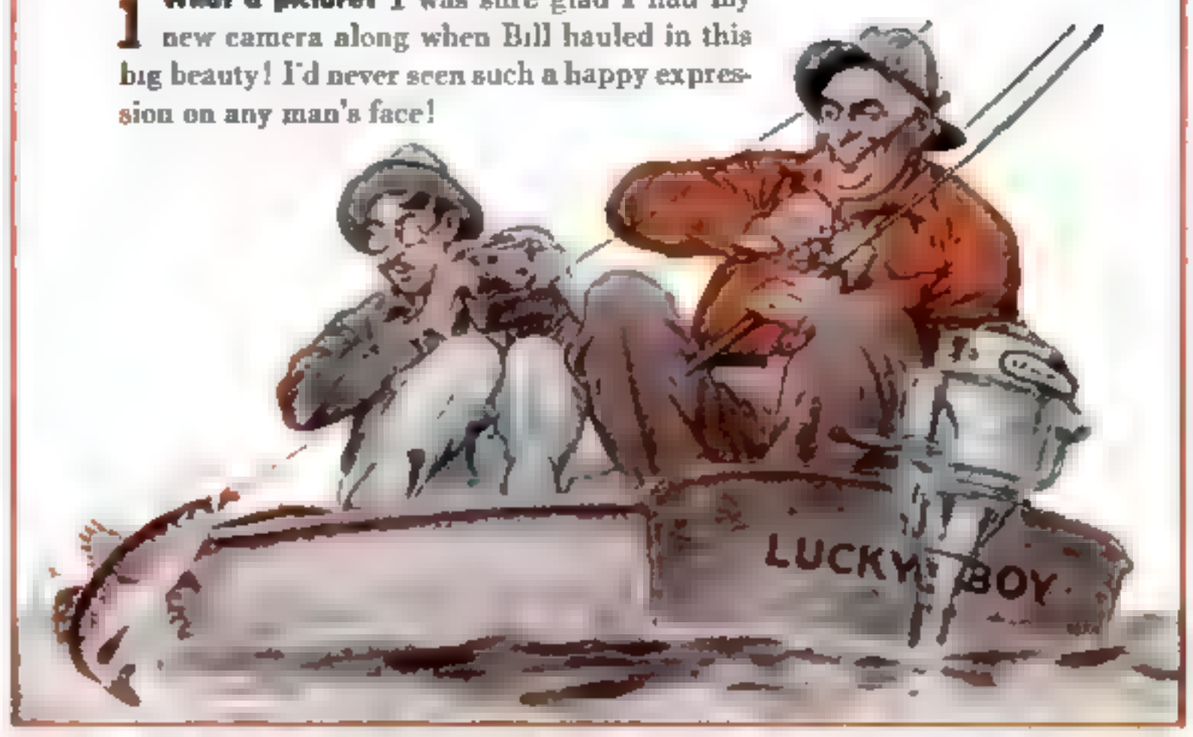


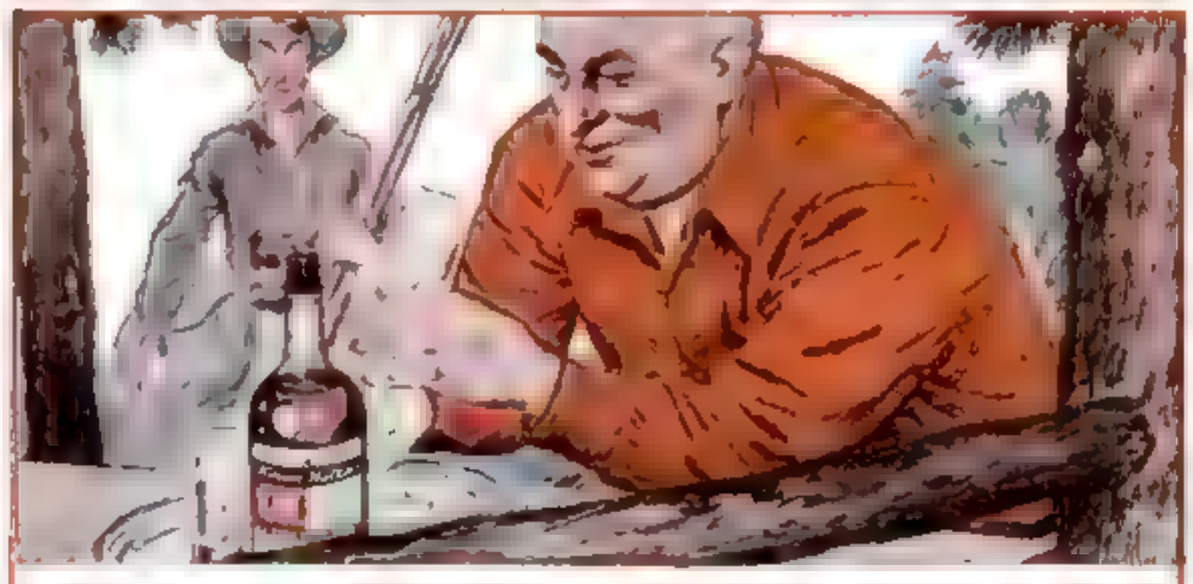
Through an assistant's legs goes this horseshoe for another ringer. Allen calls himself "world's champion" and his form is so good he can throw ringers blindfolded.

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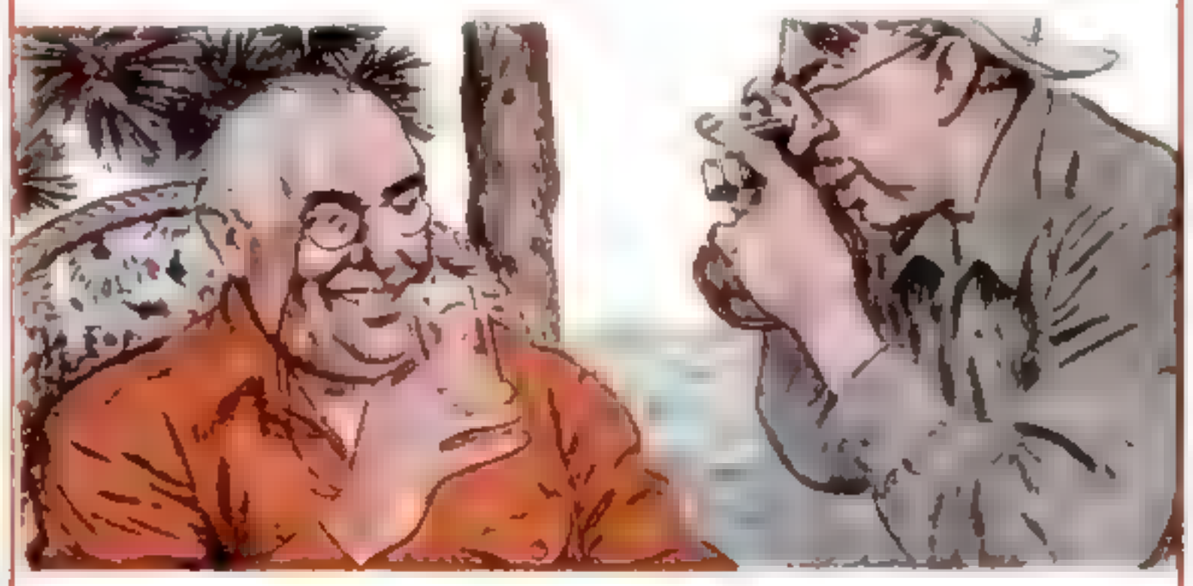
So I "SHOT" him again!

1 **What a picture!** I was sure glad I had my new camera along when Bill hauled in this big beauty! I'd never seen such a happy expression on any man's face!





2 **"I'm going to Double My Enjoyment** of this!" exclaimed Bill, pouring out a couple of drinks of TEN HIGH—the whiskey with No Rough Edges. "Here's just the special treat I need to celebrate this prize catch!"



3 **So I shot him again** and got a prize snapshot! For Bill was the picture of satisfaction when he tasted that TEN HIGH. And I discovered why, when he handed me *my drink* of this grand whiskey! Bill says TEN HIGH is doubly rich and mellow because it's distilled under doubly careful control in the world's largest distillery. And all I can add is that smooth TEN HIGH tastes like double its low price!



80 PROOF

TEN HIGH

STRAIGHT BOURBON WHISKEY ☆ STRAIGHT RYE WHISKEY

Hiram Walker & Sons Inc., Peoria, Illinois

The whiskey with "NO ROUGH EDGES"

ADDITIONAL PROOF DAILY... Enthusiastic letters and *verified* reports prove that Knox Gelatine promotes muscular endurance and less fatigue.

EXPERIENCE NO. 42



MORE STAYING POWER

An internationally known university's football team went on the Knox Gelatine feeding last Fall. The coach reported that the team recovered after gruelling games in half time—also noticeably fewer and less serious muscle injuries and strains. Is putting team on gelatine feeding again this Fall. Over a dozen other leading college elevens are following the same plan.

EXPERIENCE NO. 194

ROUTS "MID-AFTERNOON SLUMP"



This case observed over six weeks test period. *Stenographer* woke sluggishly, sleepy in afternoon, exhausted at end of business day. After two weeks of Knox Gelatine feeding, began to wake fresh in the morning. "Mid-afternoon slump" gradually disappeared. Now feels lively and ready for play after work. Her experience confirmed by other business women and housewives who report greatly increased energy and less fatigue on Knox Gelatine feeding



MORE "AFTER HOURS" FUN

Don't let fatigue keep you from enjoying the recreation you need after the day's work. White collar workers, manual laborers, business executives, clerks—people in all walks of life say they find new zest for work and play by following this simple routine. Pure, plain Knox Gelatine has certain properties that *store* energy in the muscles for use when needed. Test cases show high rate of increase in energy output with this new diet principle.

Cut Fatigue! Take

KNOX GELATINE



THIS WAY: Empty 1 envelope Knox Gelatine in glass ¾ full of cold water or fruit juice (or half water, half fruit juice). Let liquid absorb gelatine. Stir briskly, drink rapidly or it will thicken. Take 4 envelopes a day for 2 weeks, then reduce to 2 envelopes a day. (May be taken before or after meals.)

CAUTION: Be sure to use pure, unflavored Knox Gelatine. *Only* Knox was used in the scientific experiments. Ready-flavored gelatine desserts which are about 85% sugar and only about 10% gelatine will not do. *Free Booklet* on energy feeding. Write to Knox Gelatine Co., Johnstown, N. Y., Dept. 71.

MAGIC-EYE PICTURES SHOW HOW AN AMATEUR CHAMPION THROWS A SHOE









Years ago a horseshoe was thrown like a quoit, dropped directly over the pin. Today good pitchers make a shoe turn in the air, land with prongs open toward the pin. The best style of all is shown in this magic-eye sequence. The pitcher is John Lindmeier, former U. S. amateur champion. The shoe floats through the air, stays horizontal to the ground and makes exactly one and three-quarter turns before landing for a ringer.



I'M CALLING JUST TO REMIND YOU..

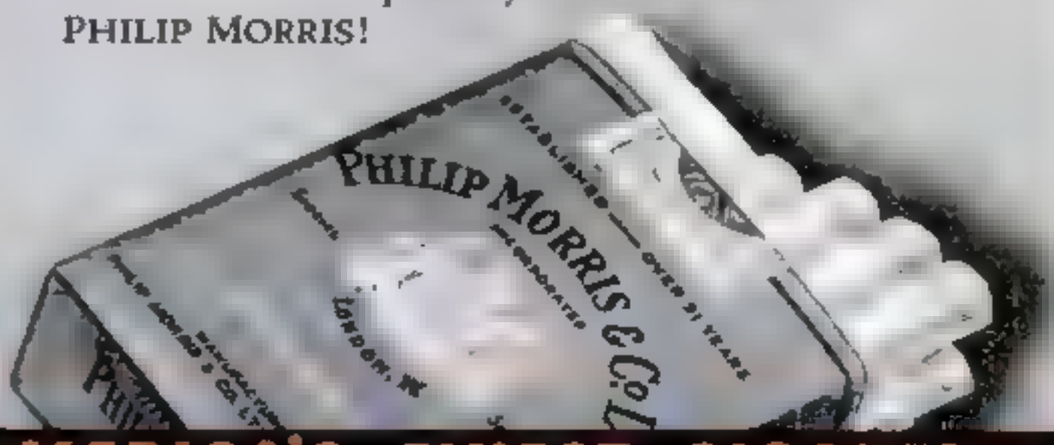


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CREATORS OF FAMOUS CIGARETTES FOR 91 YEARS, ALWAYS UNDER THE PHILIP MORRIS NAME



Gloria Jean

ELEVEN-YEAR-OLD SOPRANO FROM SCRANTON MAKES GOOD AS A "SECOND DEANNA DURBIN"

The little girl singing at left is 11-year-old Gloria Jean Schoonover of Scranton, Pa. A year ago she was introduced to Joe Pasternak, No. 1 producer for Universal Pictures, who is credited with the discovery of Deanna Durbin. Fortnight ago she was introduced to the U. S. cinema audience in her first film. Called *The Under-pup*, it is no more than an introduction (*see opposite page, top*) but it is enough to establish Gloria Jean. In a tomboy part she shows a self-assurance that indicates a larger range of acting talent. Her six songs she sings in a surprisingly mature soprano and takes coloratura runs to high C with ease.

First audiences saw enough resemblance in voice and feature to declare that she might be Deanna Durbin's younger sister. That is probably Joe Pasternak's idea. In her next film, *First Love*, Deanna's first screen kiss will graduate her into adult roles. Joe Pasternak hopes to begin again with Gloria Jean the picture cycle that grossed a vital $10,000,000 for Universal Pictures. He may also find Gloria Jean, only one year older, giving Trouper Shirley Temple a run at the box office.

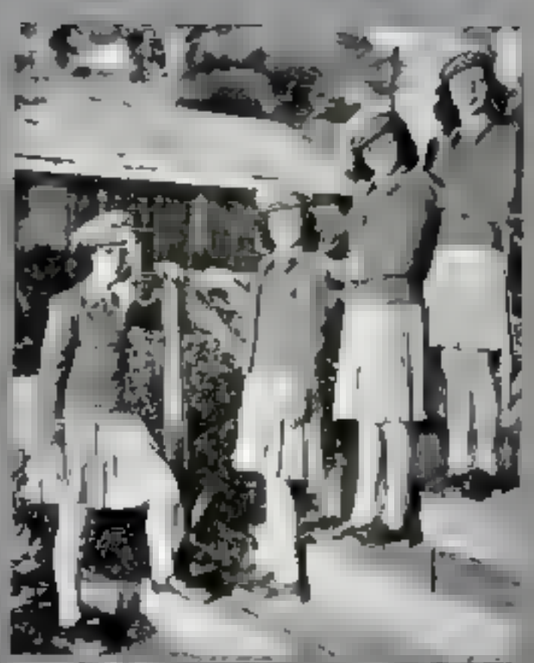


Joe Pasternak and his stars, Deanna Durbin and Gloria Jean, leave the studio after a day's work. Deanna, whom she so much resembles, is Gloria Jean's idol and model. Pasternak had Gloria Jean watch her on the lot for six months before he started *The Under-pup*.













New York critics interview Gloria Jean on her visit to the city before *The Under-pup*'s première in Scranton. Gloria Jean enjoys her stardom hugely, takes it with unruffled poise

Afternoon nap helps Gloria Jean recover from her strenuous meeting with New York movie critics. From New York she went for a short visit home in Scranton, then back to Hollywood.

IN NEW YORK GLORIA JEAN MADE HER DEBUT OVER CBS'S RADIO NETWORK. TO SCRANTON RADIO LISTENERS HER VOICE WAS ALREADY FAMILIAR ON LOCAL STATIONS



How
Mobiloil
"perks-up"
engines



Gloria Jean (continued)



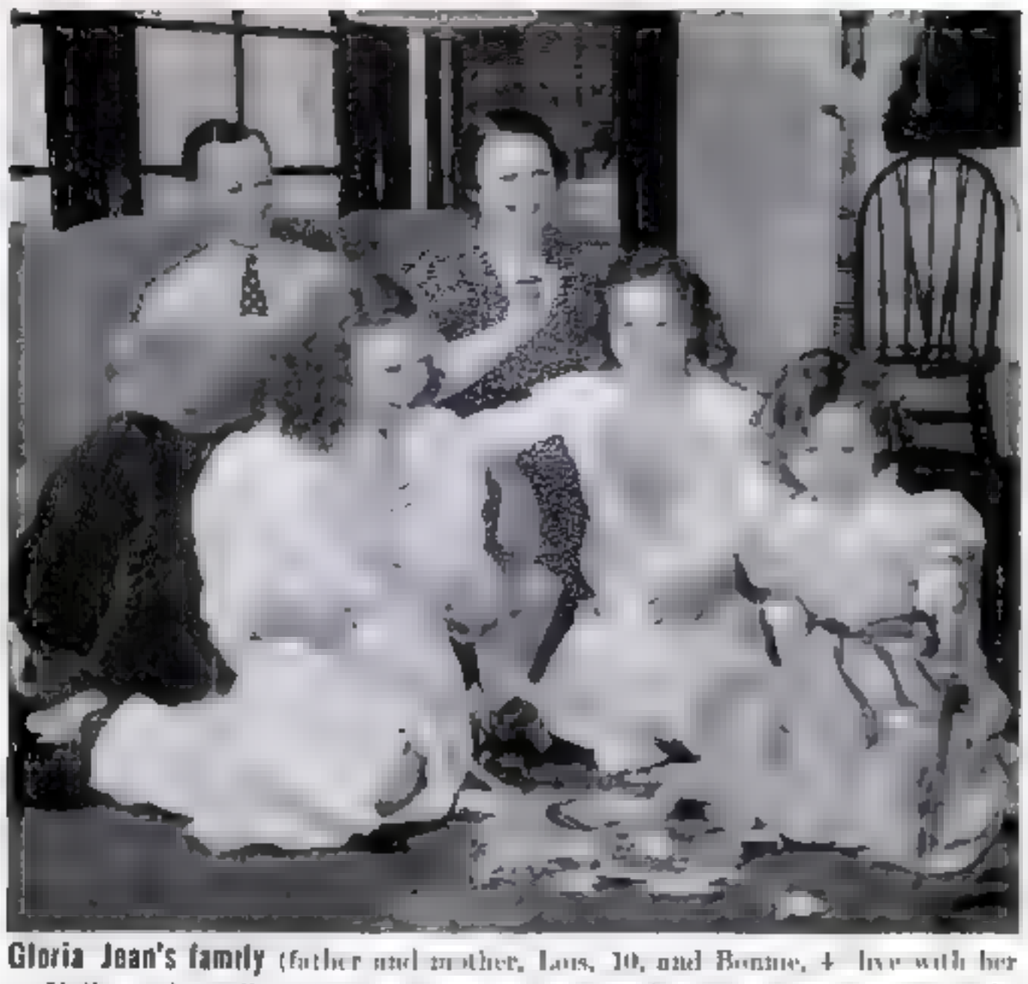
Ice cream is the No. 1 dish on Gloria's menu. Her doctor approves this diet as she is trying to regain weight lost as she grew taller during her work on *The Under-pup*.



"Uncle Joe" Pasternak interrupts Gloria's consumption of ice cream. Says Gloria of man who made her a star overnight: "Next to my daddy, I love Uncle Joe best."



Movie Columnist Hedda Hopper fell hard for Gloria Jean. Her enthusiastic reception by Hollywood columnists is an important step toward stardom for Gloria Jean.



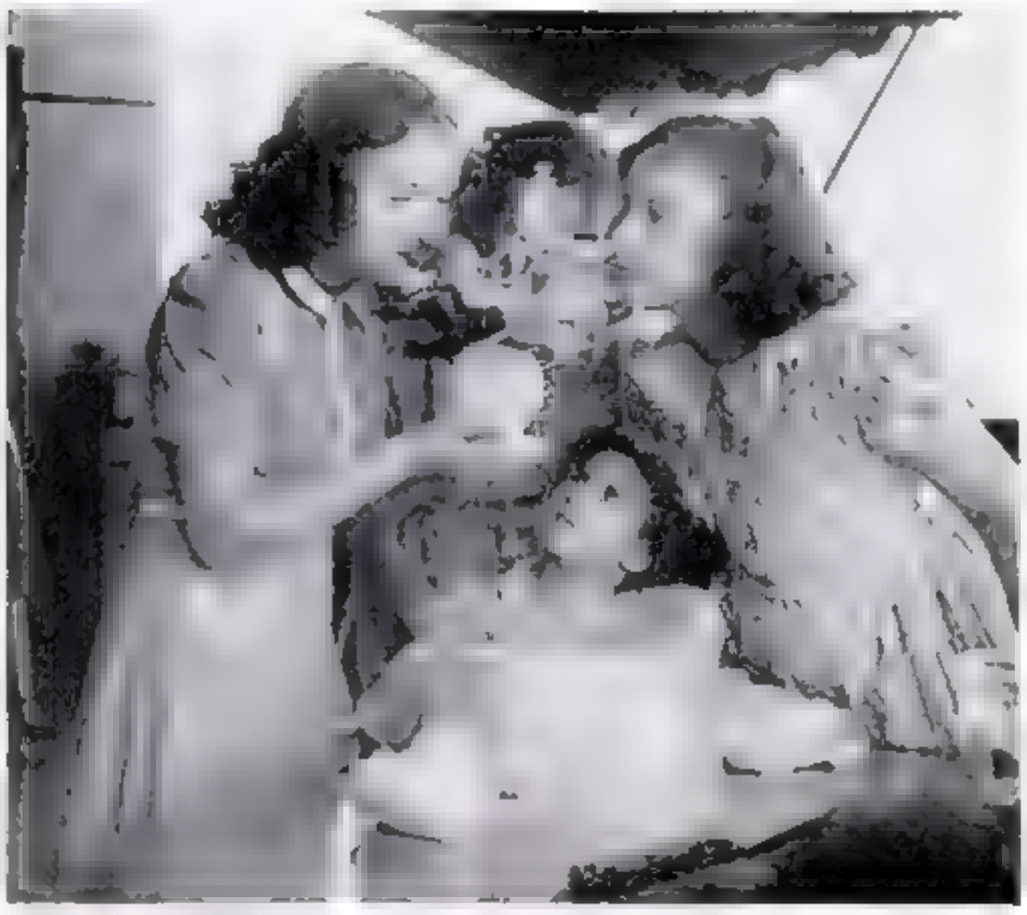
Gloria Jean's family (father and mother, Lois, 10, and Bonnie, 4—live with her in Hollywood. Sally, 14, is in Scranton training for Olympic swimming trials.



Youngest sister Bonnie is to play Gloria as a 5-year-old in her next picture.

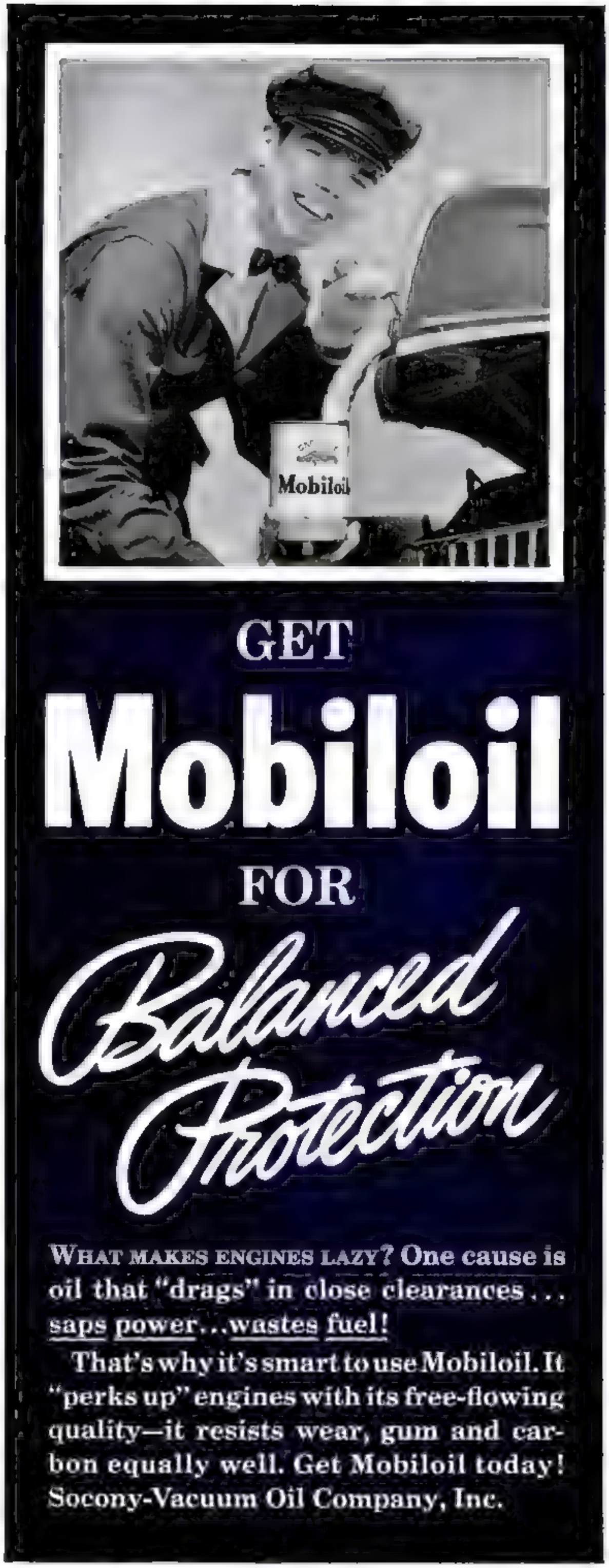


Bonnie has big movie ambitions. Here she acts gruff grandpa in *The Under-pup*.



An admirer's orchids for Gloria Jean are the occasion for the disappointing discovery that orchids are usually. At right is Lois, who is her sister's loyal standin

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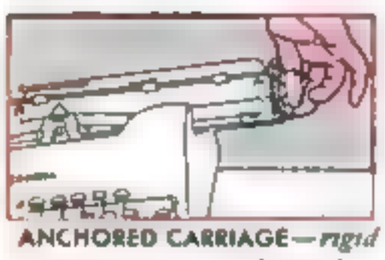




Look at the typing aids you get with today's SPEEDLINE CORONA . . .


FLOATING SHIFT—*makes shifting for capitals easier . . faster.*


TOUCH SELECTOR—*you can adjust tension for your own touch*


ANCHORED CARRIAGE—*rigid construction . . no shimmy!*

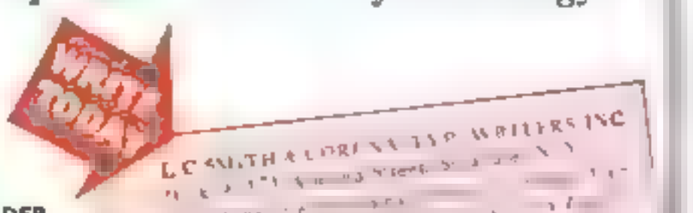

PIANO KEY ACTION—*keys keep horizontal . . natural arc!*


BALANCE—*machine stays put . . no creep . . no bounce!*


ALL-AROUND FRAME—*Coronas are built to take it!*



CORONA HAS FLOATING SHIFT . . don't let anybody "tell you different." Speeds up work and saves your energy. *A great feature.* And $1.00 a week (plus small down payment) buys *any* Corona!

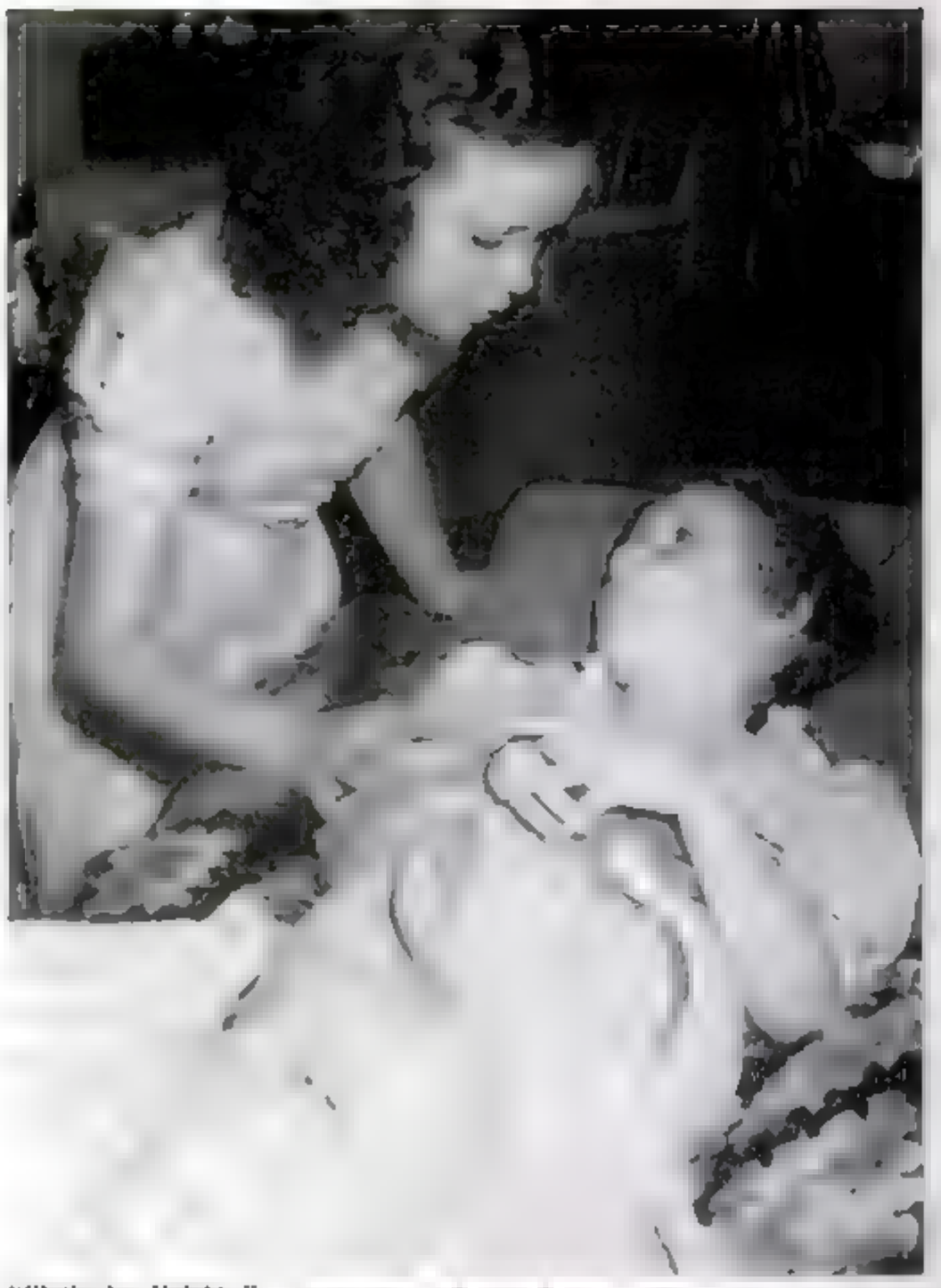


DON'T MISS SEEING THE 9 lb. WONDER



Keyboard has 84 characters as on big machines. Swinging Shift, back spacer and other aids. Only . . $29.75 with case

Gloria Jean (continued)

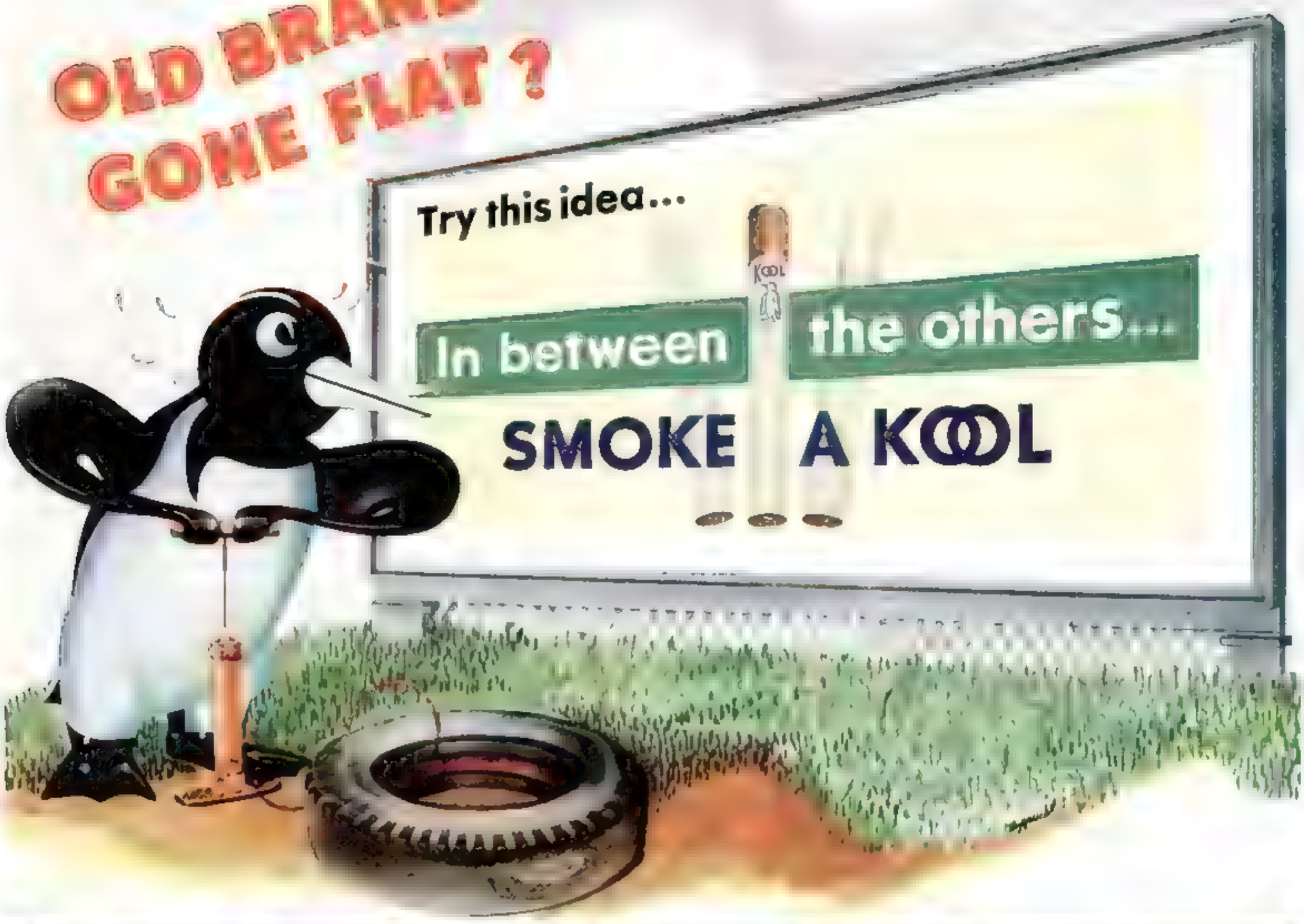


"Wuthering Heights," particularly the deathbed scene, makes a profound impression on Gloria Jean and her sisters. They resolve to read it. Here Gloria Jean's Heathcliff registers pathos at Binnie's entrancing portrayal of the dying Cathy.



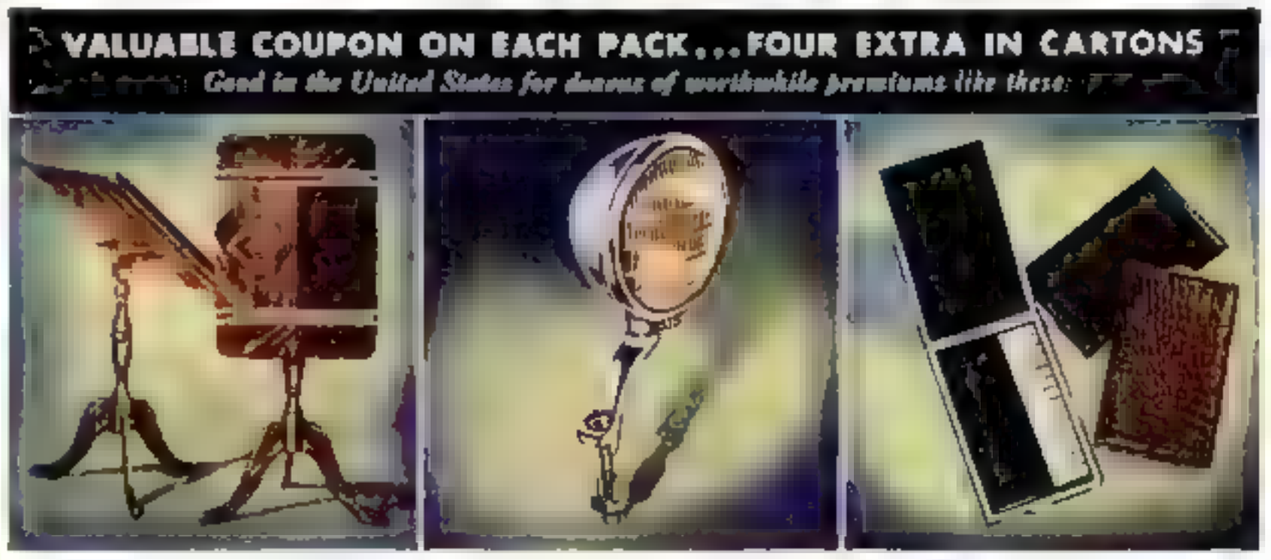
Heathcliff carries Cathy, who is expiring, to the window for a last look at their beloved moors. Though Gloria Jean takes her acting very seriously, it's now her favorite sport. She even speaks of going to work as "going to the studio to play."

OLD BRAND GONE FLAT ?









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Make It Strong and Dependable With Champion *Spark Plugs*

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Now Sillment-sealed against wasteful compression leakage common to ordinary spark plugs, they eliminate pre-ignition, early electrode destruction, and service troubles. It will pay you to check your spark plugs at regular intervals, and to insist on Champions when installing a new set.



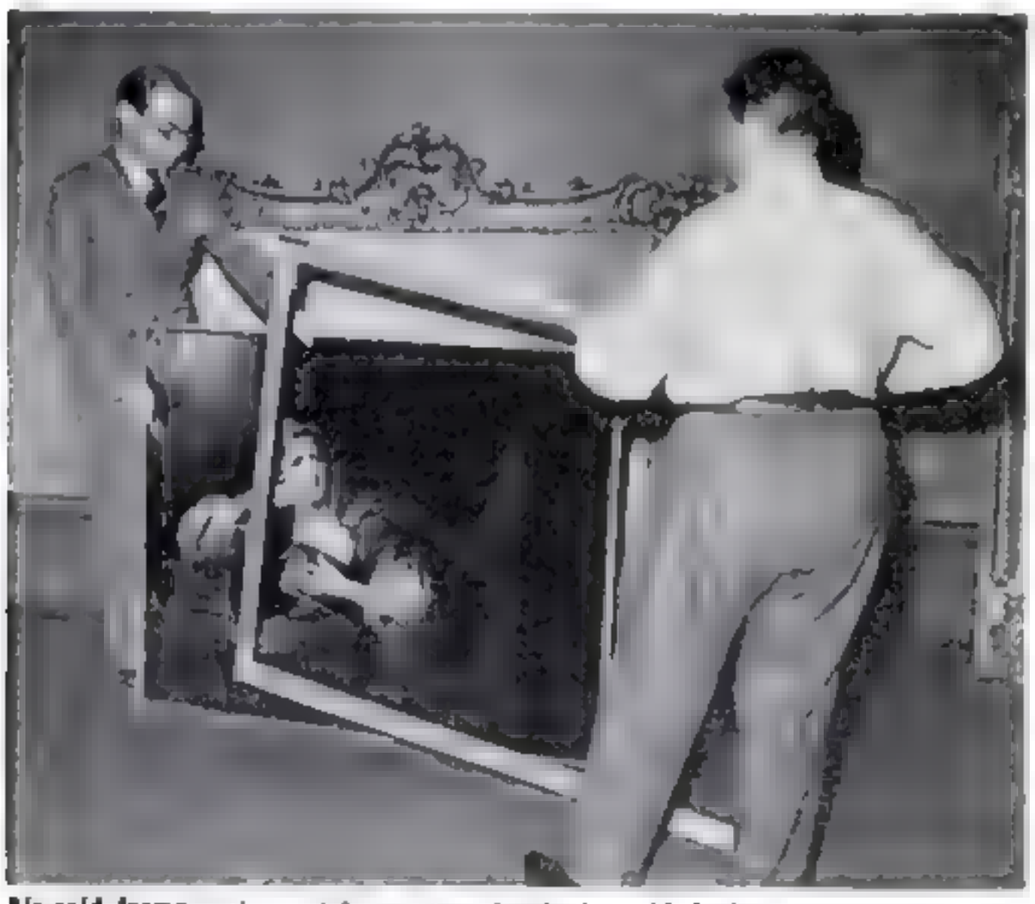
IT'S THRIFTY TO INSTALL NEW SPARK PLUGS—*Demand* CHAMPIONS

ART

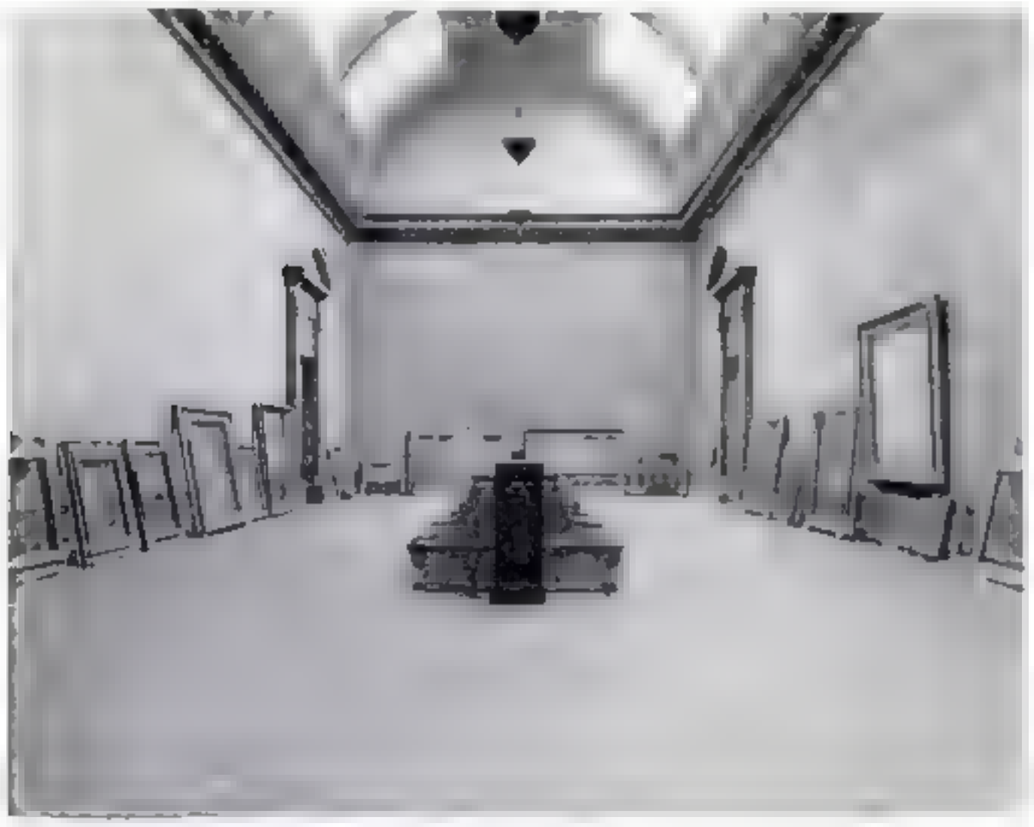
LONDON MOVES ITS ART TREASURES OUT OF THE RANGE OF ENEMY BOMBS

The most flimsy shelter in an air raid is the glass roof of an art museum. Last week the sunlight in Europe's museums illuminated only dust stains on the walls where their paintings once had hung. Preparations for the protection of art treasures in Europe's big cities began last year in the Munich crisis. Priority lists of the paintings to be saved first were made up. Shelters were arranged away from military objectives. When war finally came the galleries were ready.

One of the best prepared was London's Tate Gallery. For a year the staff had been rehearsing air-raid drills. On Aug. 23, the day of the announcement of the Russo-German pact, the Gallery doors were closed. First to go were the 250 paintings on the priority list. These were lifted quickly from their specially designed air-raid frames. In the basement, works of art were wrapped in flannel and nailed into heavy packing cases for shipment. Six days later when England went to war, the Tate Gallery treasures were safe in country vaults and secret hiding places from the war that may destroy Tate Gallery.



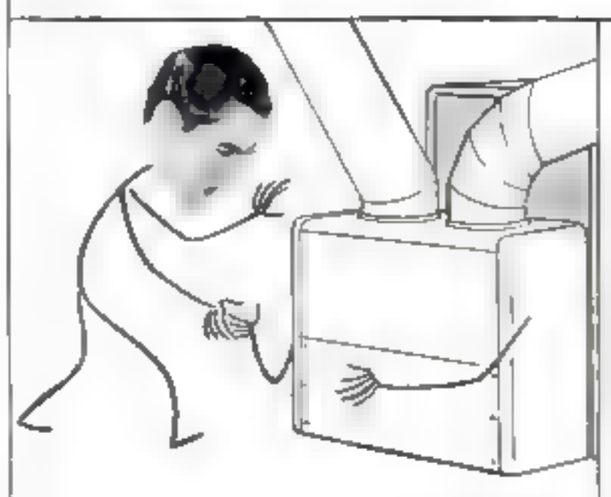
Air-raid frame with special mounting inside its gilded plaster encrustation permits quick removal of canvas. This is Hogarth's *Sigismonda* on the priority list.



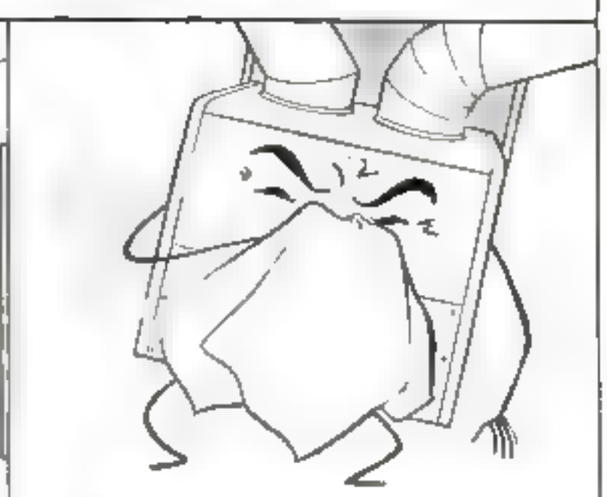
Bare walls and empty frames in the Turner Wing are ready for air raids. Tate Gallery was built in 1897 by Sir Henry Tate, wealthy sugar merchant and art collector.

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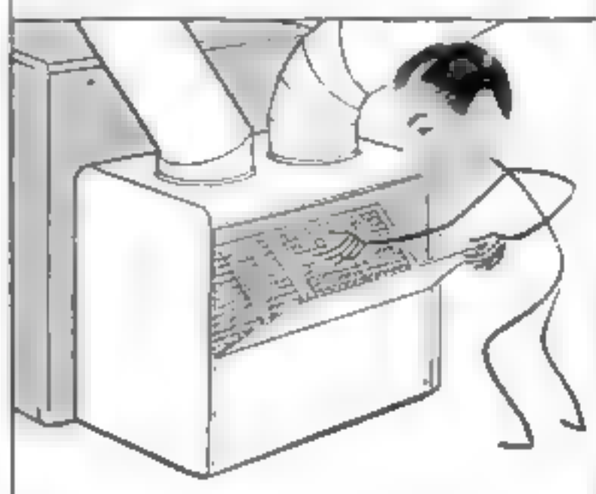
HAS YOUR FURNACE A *stuffed-up* NOSE?



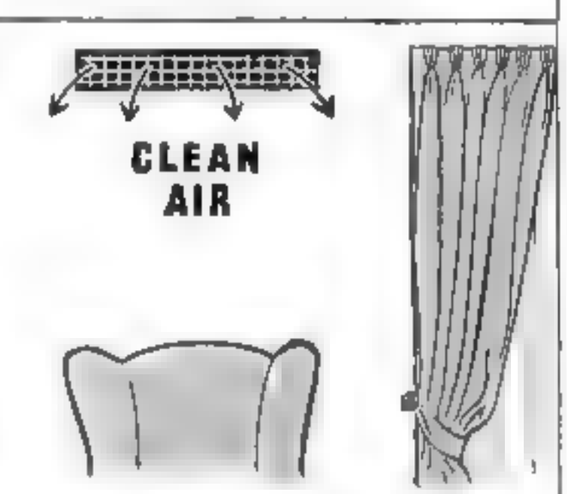
1. About the best friend you can have in your cellar is a forced warm-air furnace.



2. It brings you economical, very clean heat. But you ought to be sure its nose isn't stuffed-up.



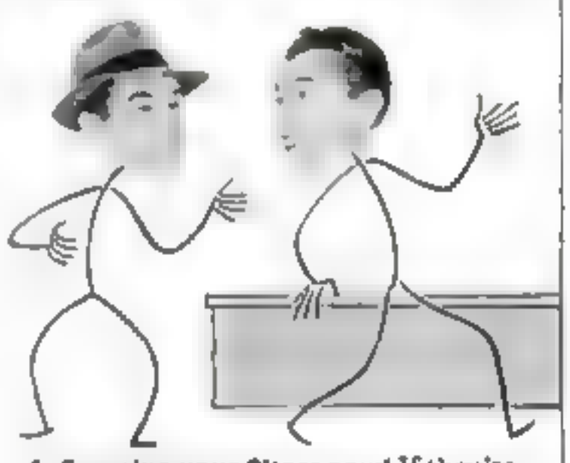
3. This nose—through which the furnace gets the air it heats—is called an Air Filter.



4. These filters strain the air as it passes through, remove dust and dirt from it.



5. In time, this dirt plugs these filters up, cuts down the flow of air, wastes fuel, makes your house chilly.

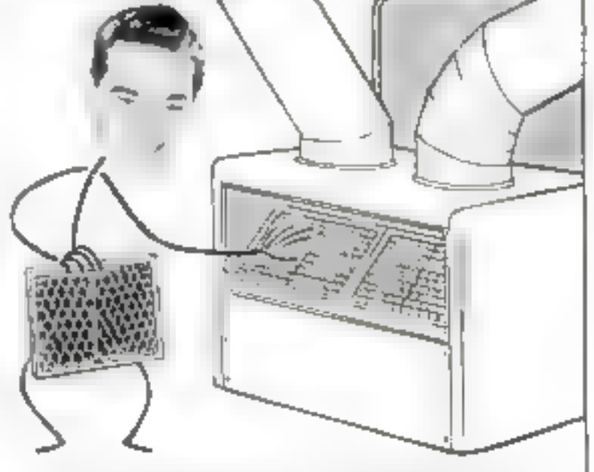


6. Examine your filters now! If they're clogged with dirt, see your furnace dealer and get new Fiberglas* *Dust-Stop** filters.

* T. M. Reg. U. S. Pat. Off.



7. Dust-Stops remove dust, dirt, and pollen from circulated air. Made with pure glass fibers, they are safe, efficient—cut down house cleaning.



8. Dust-Stops are easy to put in, and most sizes cost just $1.50. Save fuel. Put in new *Dust-Stops* now—and again enjoy clean, even, ample heat.

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If you're not already enjoying the comfort of clean, *filtered* air from your warm-air furnace, get in touch with your furnace man and find how inexpensively an air-filtering attachment can be installed. Write for Booklet **L**—It's free!

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Manufactured by Owens-Corning Fiberglas Corporation, Toledo, Ohio

See Fiberglas at the Fairs—New York and San Francisco



GRANDMA'S CORSET supplied the inspiration for this modern and very practical girdle called Floradora. The V-shape lacing at the back permits a perfect waistline fit even after it has been worn for a considerable length of time. The lacing is recessed, and will not show under close-fitting dresses. Made of batiste, with "Lastex" side sections and slide-fastened front, $5. Other laced back styles, $3.50 to $10. On sale at better stores. Or write The H&W Company, 276 Fifth Avenue, New York City.



In heavy crates the paintings are carefully packed for shipment. No paintings were stored in the Tate Gallery basement because it is below flood line of Thames River.



Flannel cloth is wrapped around a small Turner for packing with other small canvases in big case. Joseph Turner was England's greatest 19th Century landscapist.



Into the basement a painting, returned from a loan exhibition at another gallery, is carried for crating and reshipment to refuge out of range of air raids on the city.



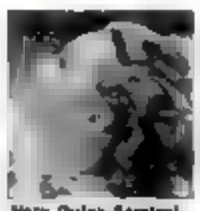
WAKE UP YOUR LIVER BILE— WITHOUT CALOMEL

— And You'll Jump Out of Bed in the Morning Rarin' to Go

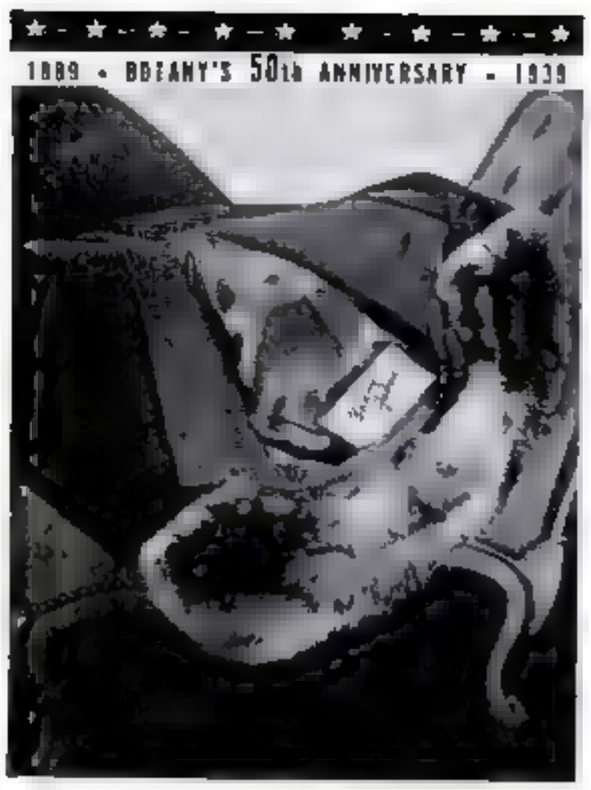
The liver should pour out two pounds of liquid bile onto the food you swallow every day. If this bile is not flowing freely, your food doesn't digest. You get constipated. Your whole system is poisoned and you feel sour, sunk and the world looks punk.

A mere movement doesn't get at the cause. It takes those good, old Carter's Little Liver Pills to get these two pounds of bile flowing freely and make you feel "up and up." Harmless, gentle, yet amazing in making bile flow freely. Ask for Carter's Little Liver Pills by name. 25c at all drug stores.

ROLL DEVELOPED
Guaranteed
8 PRINTS
Beautiful Professional
2 ENLARGEMENTS
ALL FOR **ONLY 25¢**
PERFECT FILM SERVICE, Dept. 18, LaCrosse, Wis.



HEADACHE Relief!
STANBACK acts fast! Won't leave you jittery! Try it! 10¢ & 25¢ at drug stores
STANBACK
STANBACK COMPANY · SALISBURY · NORTH CAROLINA



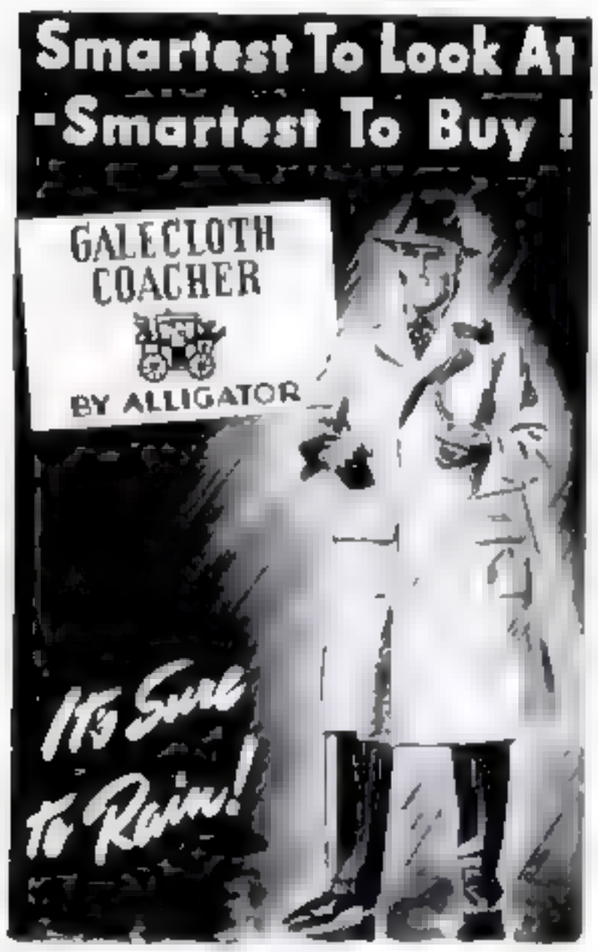
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Look for the Botany label in coats, dresses, suits, sweaters, infants' and children's wear.

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See Botany Exhibit at New York World's Fair
PASSAIC NEW JERSEY

Smartest To Look At -Smartest To Buy !



Genuine Galecloth . . . Available Only in Rainwear by Alligator!

• Galecloth has that very elegant feel and appearance of featherweight worsted . . . so firmly woven wind and dust cannot penetrate it. The fabric is made water repellent the dependable Alligator way . . . assuring lasting protection and long life. See the handsome new styles *at better dealers everywhere.*

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OTHER ALLIGATOR RAINCOATS, $5.75 to $25

THE ALLIGATOR COMPANY, ST. LOUIS, MO
ALLIGATOR
Raincoats and Galecoats
because . . . IT'S SURE TO RAIN!



"Venus with a Necklace," one of the Tate Gallery treasures by A. J. Maillol, modern French classicist, wears a shipping tag which reads "On His Majesty's Service."



Loaded on trucks, the art treasures were taken away to secret destinations. Secrecy was maintained to prevent loss by theft, hazard in war as well as in peace.





WEBSTERS make it fun coming home

It was a grand vacation! Still, there's nothing like the home comforts made doubly enjoyable with Webster cigars.

Here, indeed, is a cigar of rare tobaccos and custom craftsmanship . . . so MILD and FRAGRANT that smoking it constitutes one of life's great pleasures!

Specially selected long-Havana filler; light-claro wrapper. The new-day favorite of thousands once satisfied only with costly imported Cuban cigars!

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CUSTOM-MADE WEBSTER SHAPES
GOLDEN WEDDING **10c**
Perfecto Chico....10c
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First in the Social Register

The business end of a submarine: the bow of the "R 14"

SUBMARINE

Germany's commerce raiders resemble U. S. Navy's "R 14"

Photographs for LIFE *by Carl Mydans*

"The next war," said Marshal Foch after the War of 1914–18, "will begin where the last one ended."

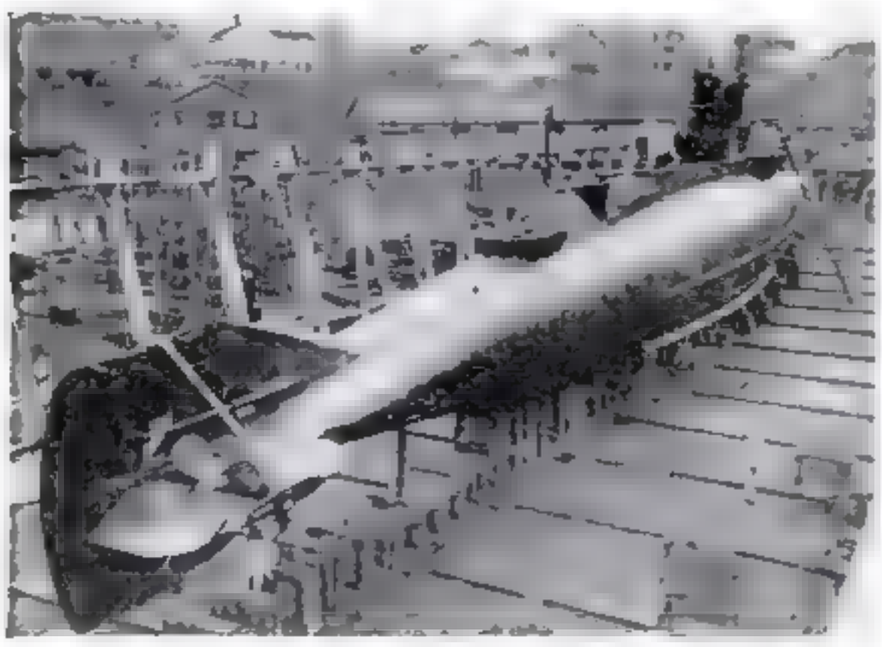
On Sept. 3, first day of the war, the British merchant liner *Athenia* was sunk in the Atlantic Ocean off the Irish coast, torpedoed, said the British Admiralty, by a German submarine. In the first week of the war, U-boats had reportedly sunk eight British merchant ships. The U-boats were taking up where they had left off in 1918.

It would be high military folly for the Germans not to exploit their submarines to raid commerce. The plain and unforgettable fact is that submarine warfare, by the Allies' own admission, came close to winning the last war for the Germans (*see p.72*).

The submarines which the Germans use for commerce raiding are mostly coastal and sea-going boats. Roughly comparable to them are U. S. submarines of the R-class. With the Navy's co-operation, LIFE's photographer went aboard the *R 14* to take the first full picture story ever made of a U. S. submarine in operation. Since one submarine is much like all others, these pictures illustrate the workings of almost all undersea craft.

Smallest type of U. S. submarine in service, the *R 14* is 186 ft. long, displaces 530 tons—113 ft. shorter and 900 tons lighter than the sunken *Squalus*, a medium-sized submarine. The *R 14* makes 10 knots on surface, 6 knots underwater. Called a "coastal" submarine as against larger craft of the "fleet" type, the *R 14* would function in wartime to patrol U. S. waters against raiders. Unlike Germany, the U. S. Navy never uses its submarines as commerce raiders but calls on them for battle duty. They make excellent, unobtrusive naval scouts. They can harry an enemy fleet, cramp its maneuvers, force it to change tactics. In actual battle, they lie in wait while the surface warships push or lure the enemy fleet into range of their torpedoes.

Below, the *R 14* is laid bare for inspection. Atop its fishlike hull is a deck superstructure from which rises the barrel-like conning tower, topped by the bridge and periscope. When a submarine dives, as shown in the photographs at the right, its diving planes fore and aft tip forward while water is let into the ballast tanks. In the bow of the submarine (*shown on the opposite page*) are the torpedo tubes. Before firing, the grooved sections swing in, the outer doors of the torpedo tubes open. Then a jolt of compressed air starts the torpedo on its deadly track.



"R 14": A STERN DIVING PLANE SHOWS BEHIND PROPELLER

The "R 14" dives



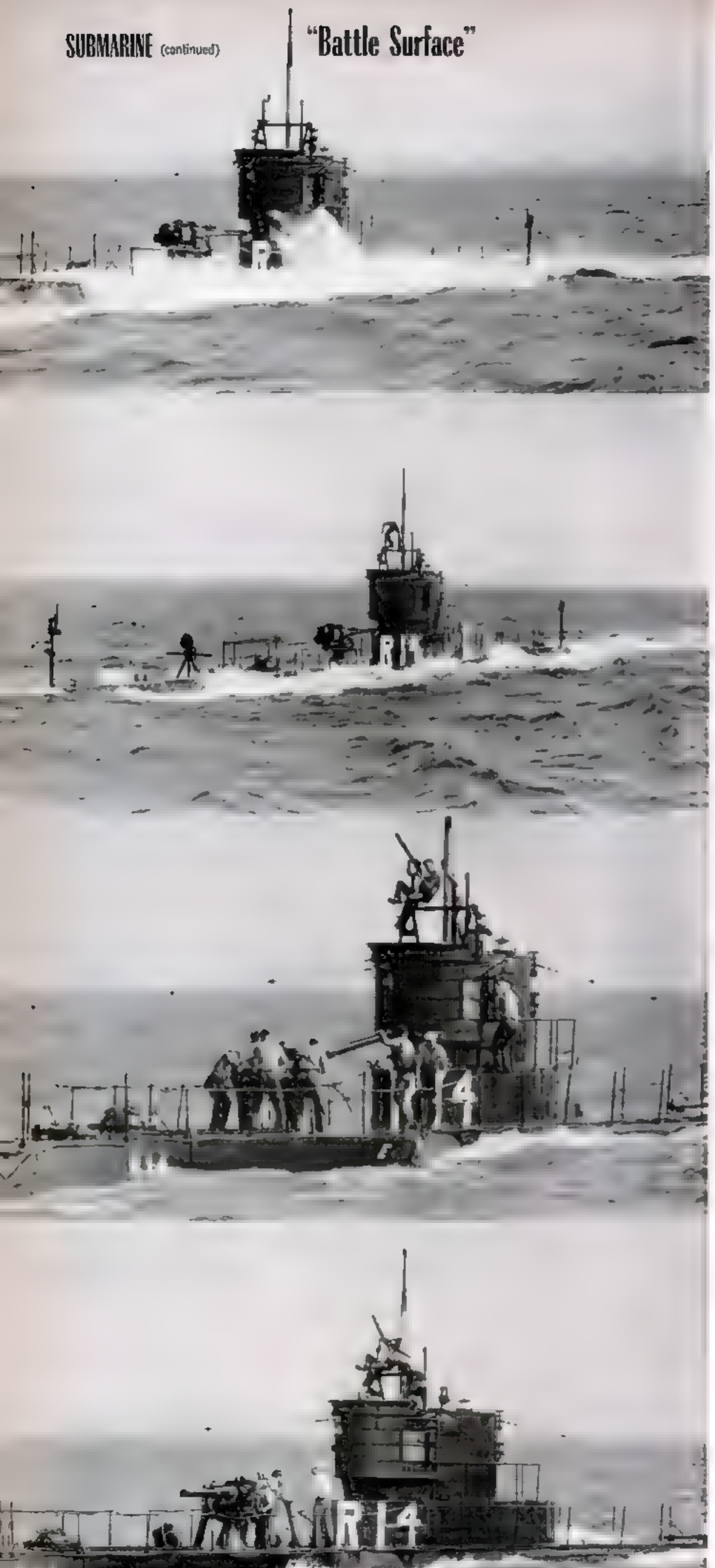






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"Battle Surface"



It is a complicated craft

The submarine is a sturdy but complicated mechanism which is highly vulnerable to attack unless operated with deftness and precision. Its crew must be trained incessantly to perfect each detail of maneuver. An important maneuver is "battle surface," shown in series of photographs at left. Here the submarine is rushed to the surface in order to bring its deck armaments into action against a plane or small surface craft which may drop destructive depth bombs. As soon as the conning tower has broken surface (*top picture*), a sailor clambers up to the bridge. A machine gun is passed up to him (*second picture*). While he mounts and aims it, other men rush on deck, unlash the 3-in. gun and the gun crews are ready to begin firing.



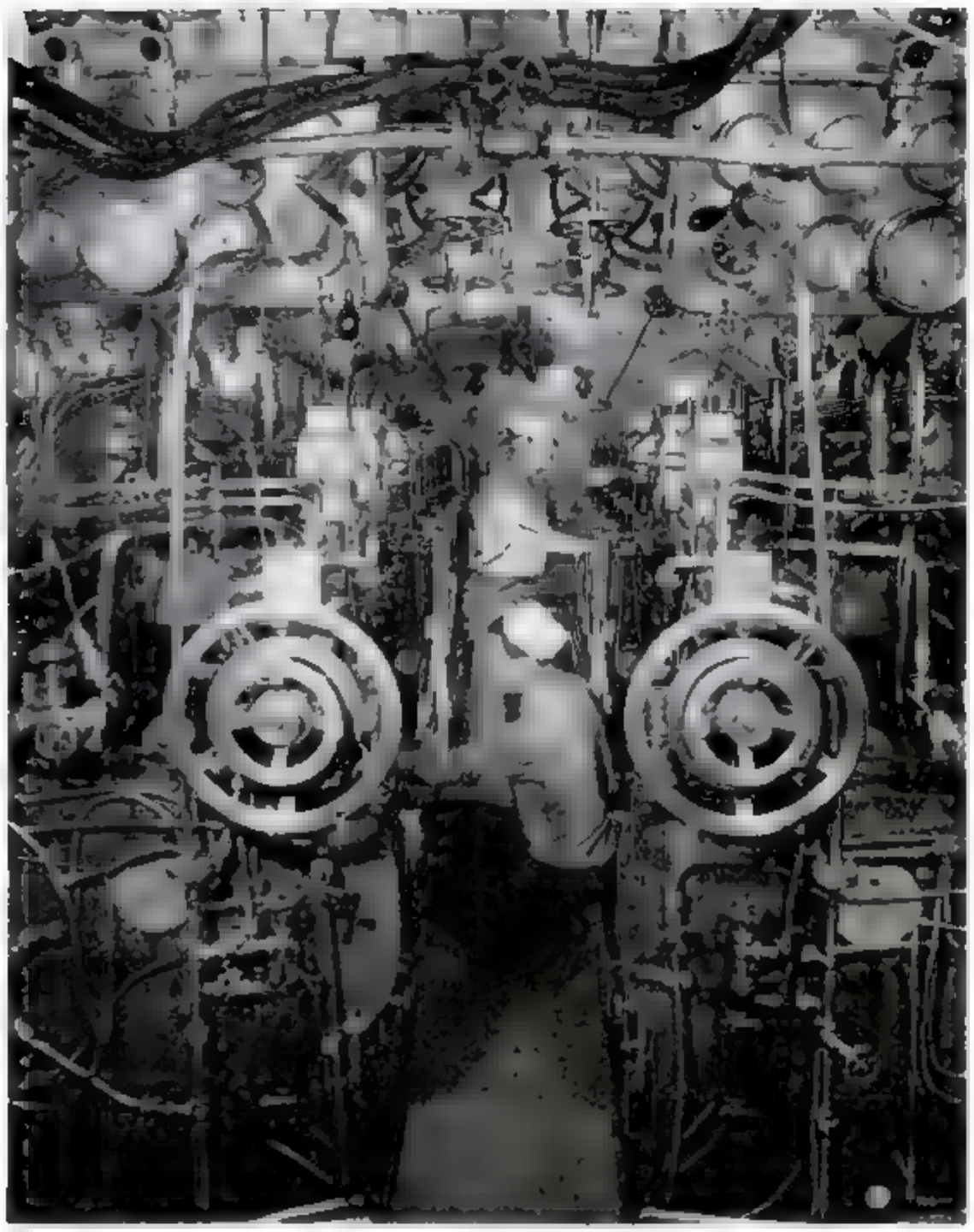
On the bridge after completing battle surface, captain (*with glasses*) and gunnery officer scan the skies while machine-gunner mans AA airplane.



The captain goes up from control room of conning tower and thence outside to the bridge (*picture at top*) to direct battle-surface brag.



Through the periscope, Captain James Hicks scans the seas. He focuses and changes his vertical field of vision by twisting the handles. To sweep the full ocean, he swings tube around



Diesel engines run the submarine on surface, are also used to charge the storage batteries which propel the boat under water. The *R 14* has two six-cylinder Diesels, of 440 h.p. each.

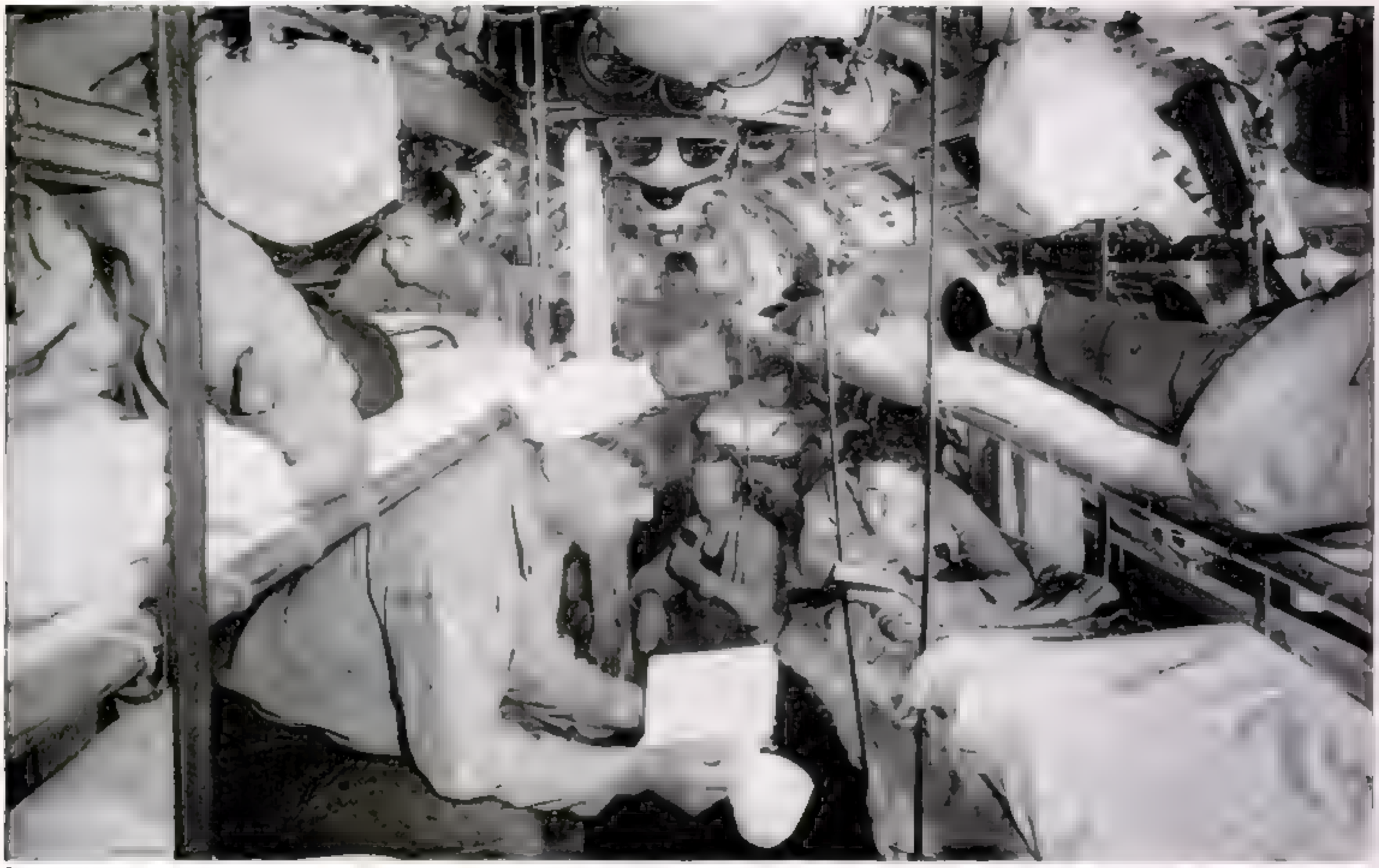


Down 83 ft. in a dive, diving officer watches the needles on depth gauges. The men operate electric controls which govern the diving planes. Above them is light board, shown at right.



"Christmas tree" is the name given this light board. The lights here show that the ballast tank valves are shut and the ventilation valves open, hence the submarine is now on surface.

CONTINUED ON NEXT PAGE



The crew sleeps in the torpedo room, in bunks which hang out from overhead alongside the torpedo racks shown on page 71. There are 18 bunks here, nine more aft. The crew numbers 30 men. The crew's favorite posture when off duty is sleeping and men get very adept at falling asleep anywhere on the boat. They stand watches of four hours on, followed by eight off, drink coffee incessantly to ward off drowsiness induced by heavy moist air and cramped quarters while under water. Smoking is often permitted even while under water.



Officers eat in the cramped officers' quarters which, like all the rest of the submarine, bristle with valves, vents, gadgets, pipes. This photograph was taken during a dive. The Filipino steward, who also mans a station, is turning a valve to vent air from the ballast tanks.

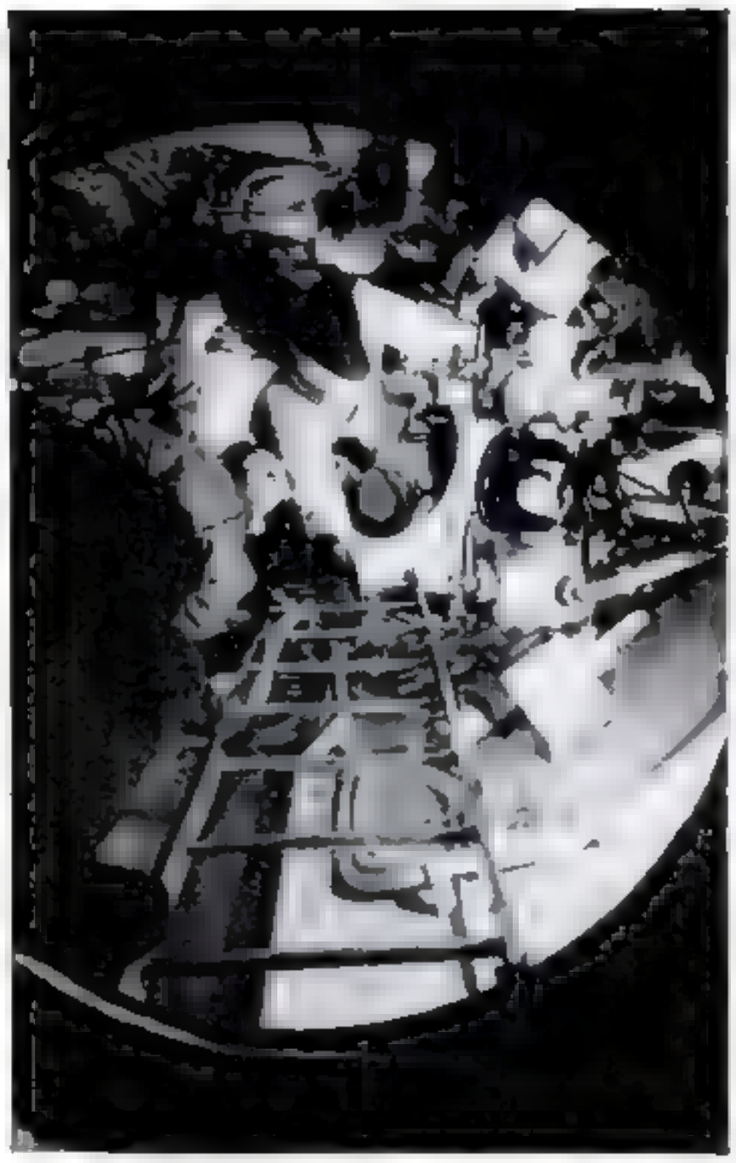


The captain sleeps in the officers' quarters, sharing one of the two bunks with another officer. The rail visible above and in picture at left shows how narrow the quarters are. Always ready for duty, the captain has a telephone, depth gauge and compass at his bunkside.

Life aboard is cramped but Navy men like it

A submarine is a very crowded vessel with no waste space. Aboard the *R 14* a man cannot take two steps standing fully erect. He soon learns to duck valves, pipes, gadgets instinctively. Because life is so cramped, a submarine's crew cannot stay long at sea. Modern underwater craft are capable of making voyages lasting as long as two months. But the energy and morale of the crew run low before the submarine's capacity gives out. Able to get only little fresh air and exercise, the crew tends to lose the fine alertness necessary for top underwater efficiency. Submarines usually restrict their cruises, send their men ashore as frequently as possible.

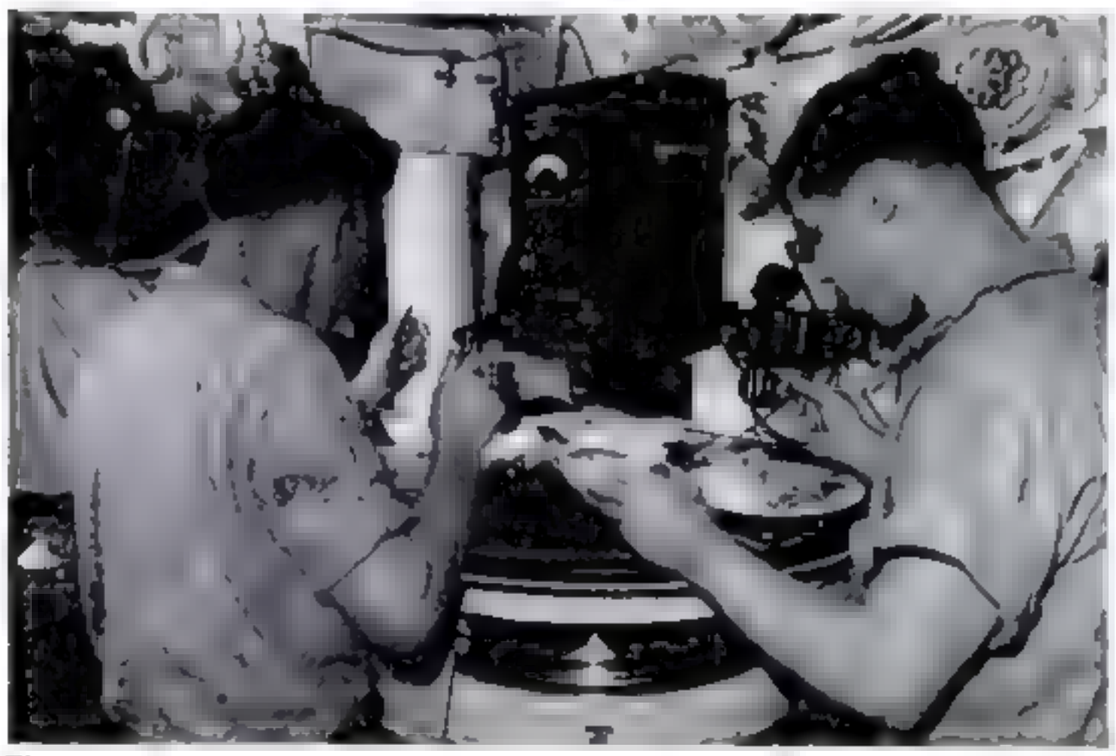
Despite this, the Submarine Service is a much-sought-after branch of the Navy. Navy men strive eagerly to enter the submarine training school. This is not only because submarine pay is higher and food better than in other branches of the Navy. Submarine duty requires a higher type of sailor with intensive training. The work is more interesting, the individual responsibility greater. Underwater service is not especially dangerous. Casualty rate on submarines is no higher than that on surface warships.



Down the conning tower to the control room clambers Captain Hicks. Quartermaster (*left*) has his hand on the diving alarm which he sets off at captain's order to start the dive.



Closing the hatch is the captain's duty. He is last one down when diving, remaining above for last-minute observation. He pulls hatch shut and quartermaster hammers catch fast.



The crew eats wherever it finds a place to put down a plate. These men are using the desk atop the gyroscopic compass as a table. The black box on wall detects the hydrogen given off by submarine's batteries. Air containing 4% or more of hydrogen is explosive.



"Abandon-ship" drill brings men to deck, some in life preservers, others in rescue lungs which, when inflated, keep men afloat. At right is *R 14* looking forward from bridge to bow diving planes. Open to the sea, bridge is flooded during dives. Instruments are waterproof.



CONTINUED ON NEXT PAGE

Its torpedoes are the terror of wartime seas

A submarine is built for one main purpose: to fire torpedoes. The other armament on underwater boats—deck guns, bombs, machine guns—is used to attack weaker ships and conserve expensive torpedoes. The *R 14* carries eight torpedoes, has four torpedo tubes. Big submarines can carry 20 torpedoes, sometimes have ten tubes. One good hit with a torpedo can seriously wound the biggest dreadnaught.

The Navy calls torpedoes "fish." They differ from other projectiles in being self-propelled. An initial impulse of compressed air shoots the torpedo from the tube but once out of the tube it is moved along by two propellers in its tail. A miniature steam turbine inside the "fish" turns the propellers. Torpedoes can travel as fast as 45 knots.

During the last War, the whole submarine had to be aimed at the target in order to direct the torpedo. Today gyroscopic controls inside the "fish" make it possible to curve its path. A torpedo travels as deep as 50 ft. below the surface of the water.



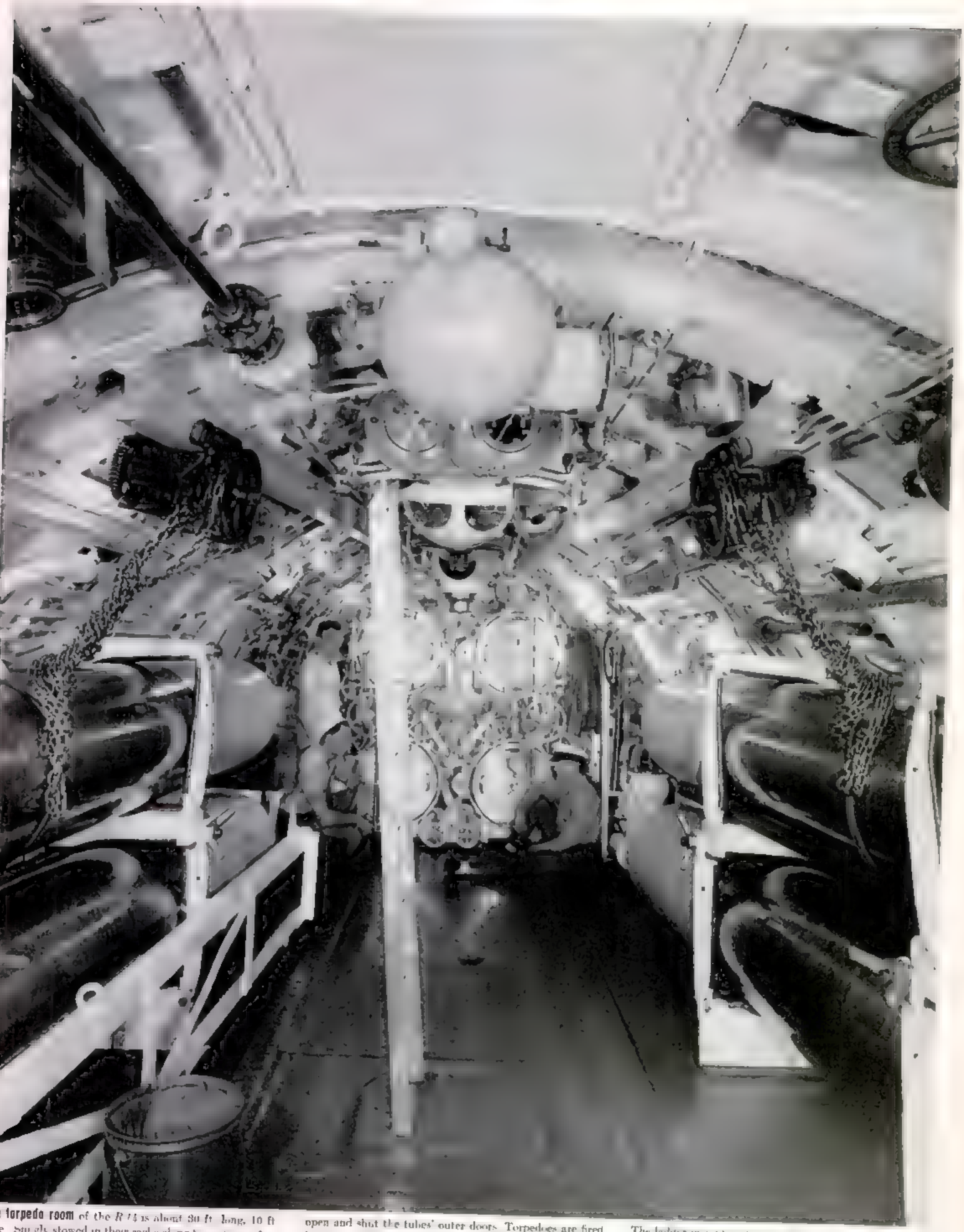
Loading torpedoes into the *R 14* is done at the New London, Conn., submarine base. The nose of the torpedo contains high explosive. Behind the nose is a section charged with compressed air. When the torpedo is fired, the air shoots back into a section containing alcohol and water, generating steam used in the turbine to turn the propellers.



Into the torpedo hatch goes the "fish," which is 21 in. in diameter, weighs 2,000 lb. This "fish" has water instead of explosive in its nose. Torpedoes cost about $8,000 each. Hence the Navy loads them with water for target practice, retrieves them after they have been fired.



Down into the torpedo room the greased "fish" is eased on skids, then carried by chains to its place in the rack. Loading torpedoes is not only hard and ticklish work; it also scratches and dirties the torpedo room, makes necessary a lot of repainting and polishing.



The torpedo room of the *R 14* is about 30 ft. long, 10 ft wide. Snugly stowed in their racks along the sides are four torpedoes. Four more are kept in the torpedo tubes, whose round doors are shown in center above. The gauges on each door indicate outside water pressure. The four big wheels open and shut the tubes' outer doors. Torpedoes are fired by the captain from the control room. He releases a charge of compressed air into the tube, ejecting the torpedo. As it slides out, a catch in the tube trips a trigger on the torpedo, starting the torpedo's turbine and propellers. The ladder in center above leads up to the forward hatch and the deck. The round mat is a float sent up on the end of a line to guide men to the surface when they make a "bung" escape. Dials overhead indicate depth. This is the room where, as shown on page 68, the crew has its bunks.

CONTINUED ON NEXT PAGE

German U-boats almost won last war

In 1914, neither the Germans nor the Allies knew how powerful a naval weapon the submarine was. When War broke, the Germans kept its fleet of 28 U-boats (*Unterseeboote*) close to home in the North Sea, used them timidly as scouts. But in September the adventuresome *U 9* sank three British cruisers within one hour. At that point the German High Command realized what the submarine could mean and the British Grand Fleet withdrew fearfully from its Scapa Flow base to a safer harbor in Scotland.

In 1915, commerce raiding began in earnest. In 1917, the German High Command started its greatest campaign of unrestricted submarine warfare. April of that year was a terrible month for ships at sea. U-boats were sinking vessels at the rate of one every 4½ hours. One out of every four ships which left the British Isles never returned. Almost 900,000 tons of shipping were sunk that month. If the Germans had been able to keep up their furious destruction, they probably would have starved Britain into surrender. But not realizing how close to success they were, they relaxed their efforts. The Allies suddenly improved their anti-submarine defenses and, as a last resort, adopted the convoy system. It worked. The U-boat menace steadily diminished. Total wartime loss through U-boats was 11,189,000 tons, half of it British.

When the War ended, the Germans had 138 U-boats. Today they have at least 60, and 20 to 40 a-building. These make up the best underwater fleet in Europe. Though the submarine's efficiency has greatly improved since 1918, defense against it is also far more effective. Britain's merchant marine, with less tonnage than it had in 1914, is less able today to absorb punishment of submarine warfare.



Admiral Alfred von Tirpitz, head of the German fleet, once opposed adding submarines to Germany's fleet. But the U-boat became the most useful ship in his navy.



The "Deutschland," German cargo submarine, made two trips to the U. S. in 1916 carrying merchandise. Next year, as the *U 155*, she came to U. S. waters as a raider.



Is YOUR girl or boy ill at ease and unhappy because of ADOLESCENT PIMPLES?

Unsightly pimples are a daily despair to countless young people between the ages of 13 and 25. Mothers—read *now* two reasons for this trouble.

FIRST—During these years the skin is extra sensitive. Sluggish intestines may be a source of irritation and cause pimples.

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Urge your girl or boy with poor skin to start eating 2 cakes of High-Vitamin Yeast *every day*—one ½ hour before breakfast or lunch, one ½ hour before supper. Many tell of benefits in 30 days or less.



READ ABOUT HELP THIS* GIRL FOUND

"I just couldn't have good times at parties with a face full of horrid pimples. I was miserable about how I looked. Then I ate Fleischmann's High-Vitamin Yeast. It helped me lots. Now, I'm having good times again."

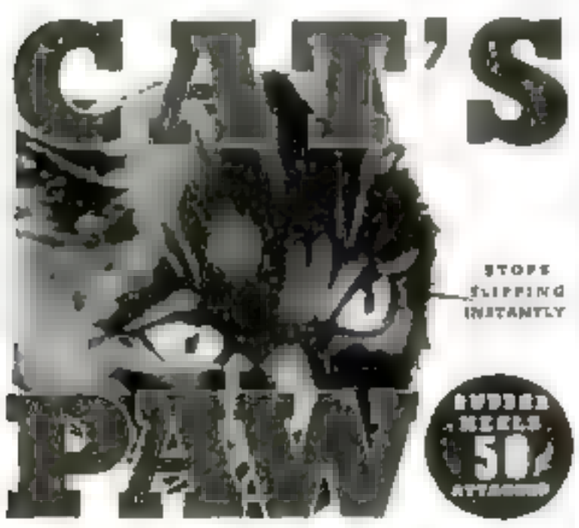
*name on request



New HIGH-VITAMIN YEAST helps this skin trouble even more!

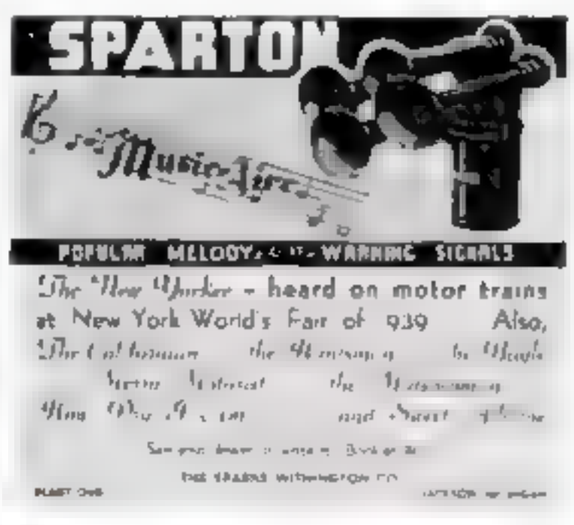
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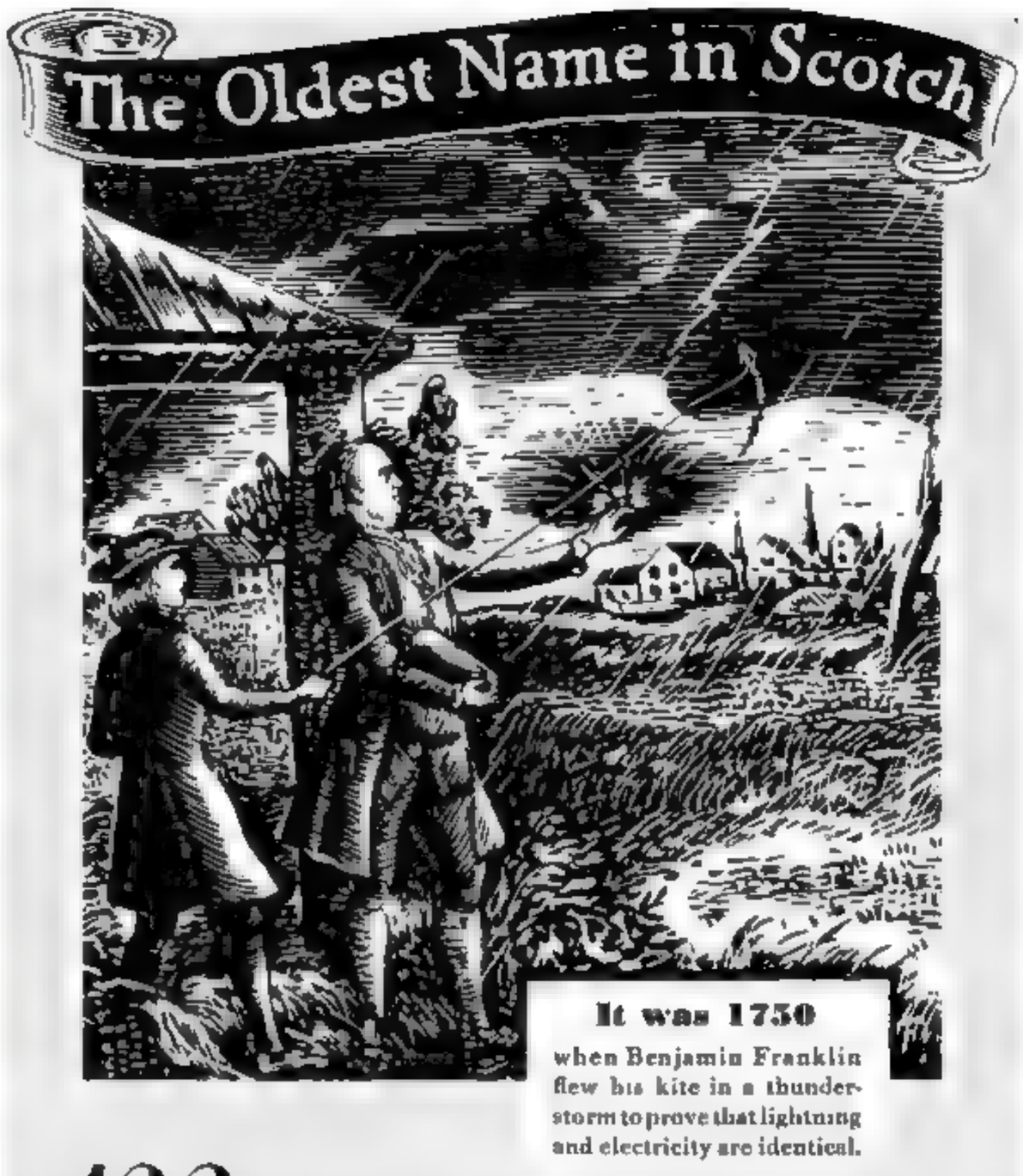
The sinking of the S. S. "Springwell" was photographed from a rescue ship which took off the crew of the small British vessel torpedoed in the Mediterranean.



The destroyer of the "Lusitania," the *U 20*, went aground in Denmark in November 1916. The crew abandoned her after first blowing a gaping hole in her bow.



French transport "Santay" was torpedoed in 1917. The troops clambered desperately over the sides. Though the *Santay* sank in five minutes, only 45 lives were lost.



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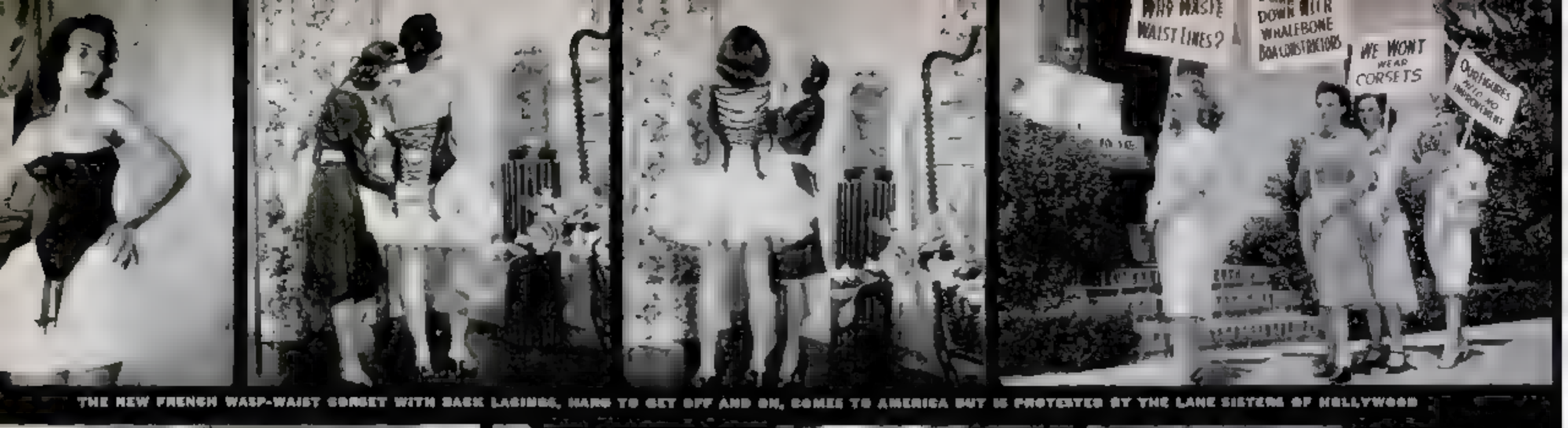
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BOXER GALENTO PLAYS TARZAN

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THE WEEK THE WAR BEGAN

LIFE presents a retrospective close-up of the last days of an American era

by NOEL F. BUSCH

After two weeks of the summer's hottest weather and a long drought, heavy thunderstorms in the northeastern U. S. cooled the air. In the South and the Far West, the sun shone brightly toward the end of a dry and pleasant summer in which the Dakotas reported first-rate wheat crops and Kansas cattle fattened faster than usual. In Chandler, Okla., a 6-year-old invalid named Joe Kalka managed to crawl a quarter of a mile from his house and fall face down into a 6-in. puddle of water, where he drowned.

On the grass tennis courts of the Merion Cricket Club, near Philadelphia, Frank Parker of Beverly Hills, Calif., and John Bromwich of Australia faced each other in the final match of the final series of world-wide competition for the Davis Cup. Bromwich's victory gave Australia its first Cup series in the U. S. since 1914—the year before Anthony Wilding, the star member of its team, was killed in Northern France. At Saratoga, Colonel Edward Bradley, proprietor of Bradley's at Palm Beach, watched his 2-year-old Bimelech win the Hopeful Stakes, feature race of an August meeting which had drawn almost as big crowds, according to reporters, as any "since the War."

Naturally, the "war of nerves" in Europe, hourly bulletins on which came over 40,800,000 radios, was the country's chief topic of conversation. Whether Franklin Roosevelt would run for a third term was a close runner-up. The old Greek theory that wars happen every 30 years because each generation is curious about the matter was subtly corroborated by the country's mood. John Dos Passos, Scott Fitzgerald, Cyril Hume, Sinclair Lewis and most of the other good writers of the previous decade were either hacking in Hollywood or showing signs of being written out. Newcomers, with the possible exception of John Steinbeck in his *Grapes of Wrath*, did not seem to have much to say. Buckminster Fuller's dymaxion house had not solved the troubles of the building industry any more than New Deal credit schemes.

Meanwhile, vacationists put away their fishing rods or put up their sailboats, examined their summer tans for the last time and began thinking about moving back to the city. Over the long holiday weekend, at thousands of country clubs and roadhouses the last dance music of the summer tinkled into the mild nights. Much of it was "swing" or "boogie woogie" to which "cats" or "alligators" either danced the "shag" or listened in a proud, self-conscious trance.

Peculiar things were going on in the theatrical business which, instead of being excited about the opening of the new season, was vastly disturbed about an intramural labor dispute crystallizing somehow with the re-opening of the musical comedy *Leave It to Me*, featuring Sophie Tucker. Threatened by the Sophie Tucker crisis were the nine shows that had weathered New York's summer—among them *Hellzapoppin*, *The Philadelphia Story*, *Yokel Boy*, *The Little Foxes* and *Tobacco Road*. Meanwhile movies like *The Wizard of Oz*, with Jack Haley and Judy Garland, and *Fifth Avenue Girl*, starring Ginger Rogers, were packing the nation's biggest movie theaters. According to *Variety*, the most popular tune of the week was *Beer Barrel Polka*, replacing *Three Little Fishies*.

Women all over the U. S. were excited by the return not only of the bustle but also of the laced corset. Revealed at the Paris openings five weeks before, these curious garments—which suggested the Middle Ages to some fashion critics and the year 1914 to others—began to make their appearances in U. S. shop windows, establishing the return of the "hourglass" figure. A New York publisher gravely considered publishing the monograph of a Midwestern savant, advancing the hypothesis that the cycles of women's fashions and the cycles of political behavior were connected by laws of behavior both obscure and inflexible.

John Jacob Astor, whose father was drowned on the *Titanic*, and his wife, the former "Tucky" French, were among those who, at Newport, R. I., attended a pageant entitled *Epic of Newport*, with a cast of 1,000, mostly townsfolk. The "little season" started in Connecticut and on Long Island where, at Southampton, the Harry Payne Binghams had James Burden of New York down for the weekend. Ordinary weddings increased but there were none of social brilliance.

En route from a vacation at Owosso, Mich.,

CONTINUED ON PAGE 78



BILL ROBINSON AT WORLD'S FAIR



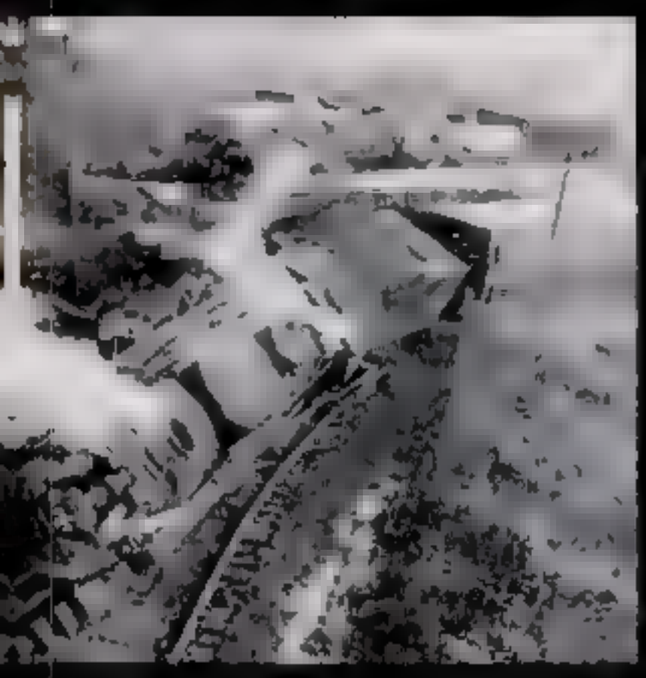
CATHOLIC NUNS LEARN TO DANCE AT CHICAGO SCHOOL



NEGROES HOLD MASS BAPTISM AT NEWPORT NEWS, VA.



VETS' DRUM MAJORETTE



SABOTAGE BLAMED FOR TRAIN WRECK



LAST RITES FOR DEAD HOLIDAY MOTORIST



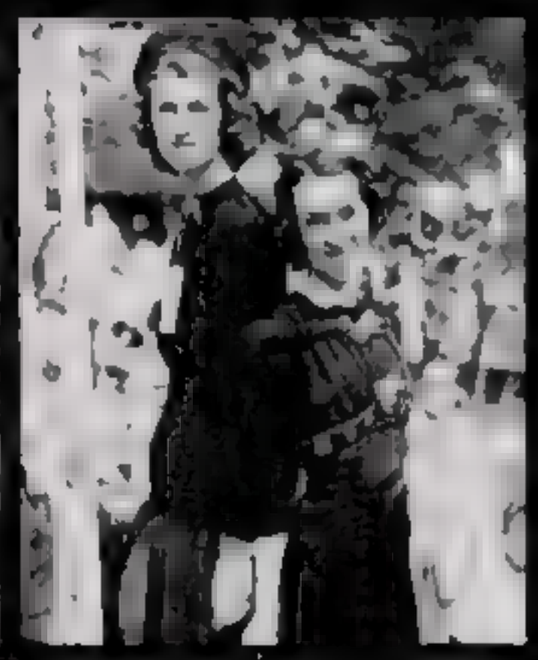
J. P. MORGAN EATS AS "QUEEN MARY" DOCKS.



SCHOONER IS WRECKED ON MASS. COAS



MOST ALIKE TWINS IN CONTEST



MOST UNALIKE TWINS IN CONTEST



SENATOR'S DAUGHTER SINGS "DIXIE"



QUEEN OF JEWISH WAR VETERANS



QUEEN OF GRAPE FIESTA



INSURANCE & MONOPOLY



CHICAGO COMMUNISTS CELEBRATE 20TH ANNIVERSARY



MRS. HENRY S. PHIPPS AT RACES



SEC. WALLACE AT WORLD COTTON CONFERENCE

A HIT IN GEORGE WHITE'S "SCANDALS" IS ANN MILLER, WHO, WITH NO APPARENT MUSCLES IN HER LEGS, DOES A SLINKY VERSION OF THE MEXICONGA



to his job as District Attorney of New York, Thomas E. Dewey, still leading the nation's advance polls as a Republican Presidential candidate for 1940, stopped off for luncheon with Party leaders at Plattsburg, N. Y. In Lansing, Mich., Governor Luren D. Dickinson, whose quaint homilies on morality had made headlines all summer, delivered himself of a characteristic warning against "the road to sin," saying: "The criminal has to start somewhere. He may start at a bridge game and the first thing you know, he is after something of larger dimensions." Mississippi Democrats gave their gubernatorial nomination to Paul B. Johnson, a protégé of their strange Senator Theodore Bilbo

Eleanor Holm, 25, star of the Aquacade, run by her minute fiancé Billy Rose, continued to be the top attraction at New York's World's Fair, to which President Roosevelt invited European nations to send their exhibitions again next year. Although their gate receipts had signally failed to come up to advance predictions, New York's Fair and San Francisco's, which had done better, began to draw bigger crowds as the summer ended. World's Fair bondholders agreed to waive retirement of their investment to give the Fair executives cash to pay its bill on the same morning that Hostess Cake Day was celebrated Cement casts were made of Bill Robinson's hands and feet.

On the New York Stock Exchange, prices teetered uneasily for four days, crept upward on the fifth and jumped on the sixth, led by steel and copper, in the summer's heaviest Saturday trading—just under 2,000,000 shares Wheat and cotton prices boomed. Business indices were up, but only slightly. Labor, except for Sophie Tucker and her colleagues, was calm enough and John L. Lewis did not bother to answer the week's most sensational magazine article which charged that his Congress for Industrial Organization was 1) shot through with Communism and 2) losing membership. The Oriental Consolidated Mining Company, with mineral rights to 600 square miles in the North Peng-Yang Province of Korea, was sold for $8,174,500 to the Nippon Mining Company, Ltd., by Lewis Henry of Elmira, N. Y.

Baby Ickes, Actresses, and J. P. Morgan

Mrs. August Belmont Jr. had twins A son was born to 65-year-old Harold Ickes, Secretary of the Interior, and his 26-year-old bride and named Harold McEwen. Mae Murray's support suit against David Mdivani started in Los Angeles. Clarissa Cantacuzene committed suicide by gas. Returning from Europe were Helen Hayes, Thomas J Watson, Constance Bennett, Lee Shubert, Lilly Daché and Norma Shearer, who explained her reappearance on the grounds that it had seemed to her unfair to add to the responsibilities of a troubled continent that of watching out for Norma Shearer. Secretary of the Treasury Henry Morgenthau was in such a rush to get back to Washington that he used one of his Coast Guard planes from St John's en route to the Capital. Returning earlier than usual from shooting grouse in Scotland, J. P. Morgan explained that he had not noticed the fact that the *Queen Mary*'s lights were turned out early every night because he never stayed up late.

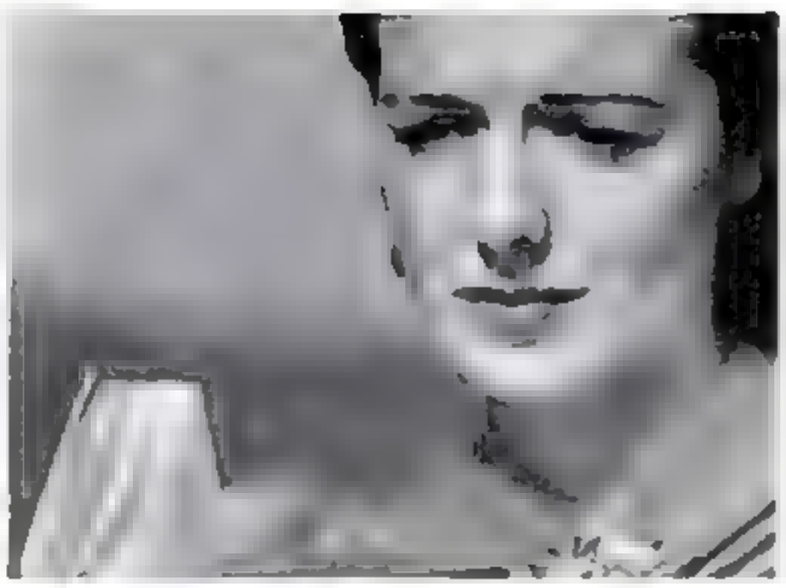
Henry Ford said there would be no war in Europe and that, if there were, the best thing would be for the rival armies "to blow up each other's munitions factories." Frank Buchman

CONTINUED ON PAGE 78

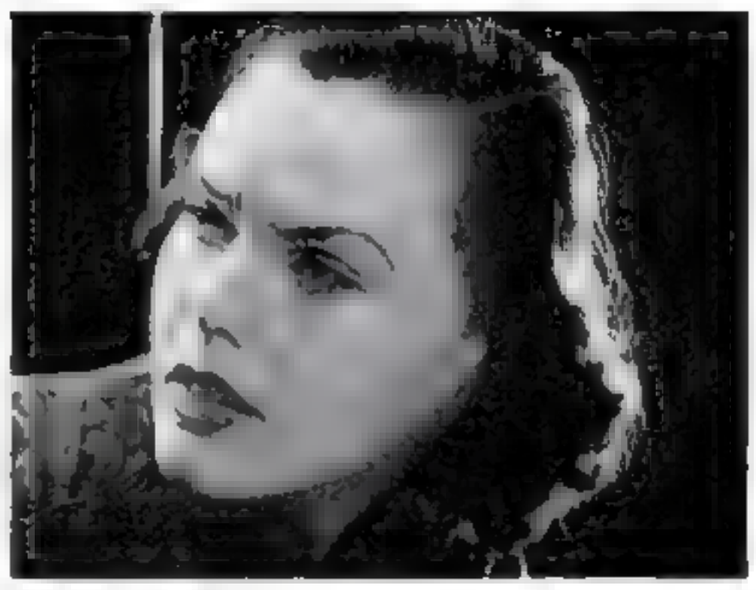




"I CAN'T THINK" You can't feel mentally alert with fagged eyes—jumpy nerves. If success depends on a keen mind, your eyes deserve first consideration.



UGLY WRINKLES. Often formed by continuous squinting against light shocks. Keep your eyes rested, protected. And thus avoid age-lines—caused by tired, strained eyes.



NERVES ON EDGE. Countless activities—long hours of work or play—constant stabs of lights and reflections—all too trying on your eyes. All common causes of *nerves*.



WHAT ABOUT YOUR *Eyes?*

● The truth is that our eyes just can't keep pace with a fast-changing world. Eyes that were good enough for past generations . . . are taxed today by continuous shocks and glare—unknown even in your parents' day. You are conscious of some of these hazards. Others, steadily but unconsciously, play upon your nerves.

The more active your life—the more burden you put upon your eyes—and the more certain is your need for relief from eyestrain.

One of the blessings of modern optical science is the Soft Lite Lens—for extra protection from over-brightness. The wearing of Soft-Lite Lenses is a constant joy and comfort to millions of people. Perhaps you never realized how inconspicuous or flattering glasses could be. Being delicately flesh-tinted, Soft-Lite Lenses blend with face tones. If Soft-Lite should be prescribed in your case—you may be doubly thankful for their greater comfort and their distinguished good looks.

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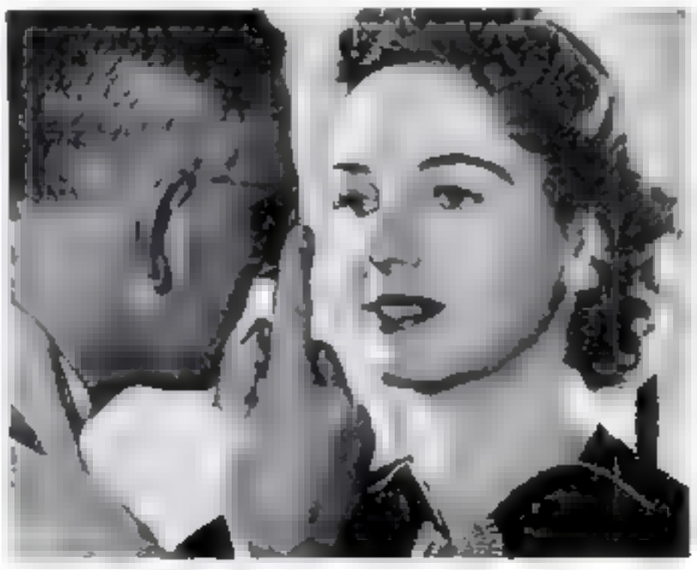
Published in the interest of more comfortable vision by the Soft-Lite Lens Co. New York—Toronto—London.



OPEN-EYED BEAUTY. Protected eyes reveal their full beauty. That's why flattering light-absorptive Soft Lite Lenses are so often prescribed.



REST FROM GLARE. Sleep rests your eyes. And Soft-Lite Lenses, if prescribed, bring grateful rest during active waking hours.



HAVE YOUR EYES EXAMINED NOW. To have your eyes checked now may mean more to your present and future happiness than anything else you can do.



THIS PROTECTION CERTIFICATE, issued only by the selected group of Soft-Lite Licensees, accompanies genuine Soft-Lite Lenses, made at the great optical institution of Bausch & Lomb.



"She falls for any man who wears an Arrow Tie!"

•What's so unusual about Arrow Ties? Well, first, the patterns are hand-picked by style scouts. Second, they're cut to knot perfectly. Third, they're made of fine fabrics. Fourth, they *resist wrinkles!* Get some at your Arrow dealer's now. Swell new patterns at **$1.00** and **$1.50.**

ARROW TIES

As Outstanding as Arrow Shirts

Made by Cluett, Peabody & Co., Inc.

Judy 'n Jill SEE LIFE

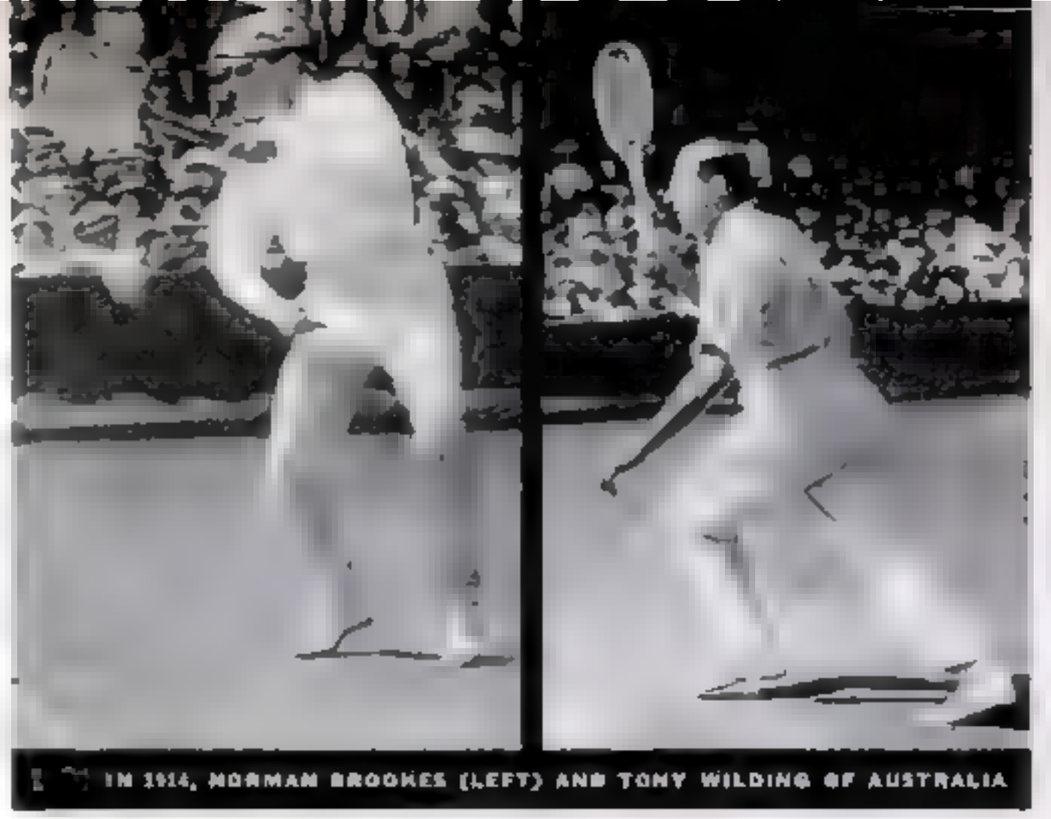


Here they are again—these famous junior manikins, all set for a big fall whirl! *Judy* in "CONQUEST," a Celanese® rayon date dress. Colors: grape, moss, stone blue, black. Sizes 9 to 15, $19.95. Judy carries a beaver brown Laskin Mouton jacket, $39.95. *Jill* in "TEAMMATES," a perfect Stadium costume of woolen frock with matching knitted cardigan (very new!). Colors: grape, moss, red pepper, blue. Sizes 9 to 15, $22.95.

FREE— For miniature "LIFE" booklet showing a complete fall and winter Judy 'n Jill wardrobe, write to *Judy 'n Jill,* 498 Seventh Ave., N.Y.C.

MARSHALL FIELD & CO., CHICAGO, ILL., and other fine stores throughout the country

®Reg. U.S. Pat. Off.



IN 1914, NORMAN BROOKES (LEFT) AND TONY WILDING OF AUSTRALIA

THE WEEK THE WAR BEGAN (continued)

announced that "a hundred million people listening to God will form a world opinion that will make war unnecessary."

Dachshund lovers asked newspapers not to make dachshunds symbols of Germany. Senator James J. Davis of Pennsylvania, Director-General of the Loyal Order of Moose, announced that the order would substitute the title of Governor for that of Dictator. Mrs. Roosevelt christened the new liner *America*, biggest and costliest in the U. S.

In Newport News, Va., several hundred Negroes squawked and shouted after being baptized near the naval base at Hampton Roads. A congregation of nearly 6,000 attended the two-hour opening ceremony of the eighteenth annual Congress of Pax Romana, international Catholic student federation which was formed in 1921 to foster good will among nations, at St. Patrick's Cathedral in New York. Dr. Donald Davidson of Bournemouth, England, explained to a U. S. congregation that "God is the sworn enemy of every tyrant," and Father Divine ("God") held a three-day meeting at his Philadelphia heaven. In Chicago, a group of nuns attending the summer school of the Catholic Action movement at the Morrison Hotel, took dancing lessons from the Rev. George Neil, S. J.

Felons, Twins and Grape Queen

In Louisiana, Federal authorities tried to untangle the web of misbehavior resulting from the activities of the late Huey Long. In Albany, N. Y., policemen nosing about in garbage cans found a clue to the theft of 152 watermelons from a freight car in the presence of an abnormal number of watermelon rinds and were able to arrest three men who pleaded guilty and promised to pay for the stolen melons. In York, Pa., a jury acquitted Herman Hoke of the charge of murdering Kathryn Moose, whose body he admitted placing in a vacant lot. In the Sing Sing death house, a German prisoner named Gus Schweinberger, who found occasion to kill another German named Fred Ludwig, and a Polish prisoner, named Theodore Maselkiewicz who had killed his wife Stella, listened to the radio together.

The question of twins was decided by a jury at Fort Wayne, Ind. Florence and Alberta Spaeth were pronounced as the most unidentical of some 1,000 such characters who assembled for judgment. Peggy and Ann Fitzpatrick were the most identical. Fitzpatricks



IN 1936, BROMWICH AND QUIST OF AUSTRALIA WON DAVIS CUP AT MERION.



. WON THE DAVIS CUP AT FOREST HILLS AND THEN WENT TO WAR

and Spaeths both got prizes. In Miami, Fla., Miss Adele Segall was crowned in regal robes as Queen of the Jewish War Veterans of America at the Coronation Ball of the Jewish Veterans. At Escondido, Calif., Miss Margaret Wiley was decorated with a grape necklace as Queen of Grape Day. At Aqueduct, Long Island, Mrs. Henry Carnegie Phipps, grandmother of four famous polo players, attended the opening of the autumn race meeting.

Harvard Stumped by Plesiosaur

Described by authorities as "the most amazing specimen of its kind known to the world," the grinning 10-ft. skull of a 120,000,000-year-old plesiosaur, uncovered by William E. Schevill in a dry sea bed at Queensland, Australia, was placed on view at the Harvard Museum of Comparative Zoology, which also had the rest of the 60-ft. plesiosaur but no case big enough to put it in.

At Summit, N. J., Tony Galento, the nation's ugliest and second best prizefighter, amused himself by scrambling up a cherry tree, while training for a bout. Joe DiMaggio, trying hard to win the American League batting championship with an average of over .400, hit two home runs in a game against the Detroit Tigers. The Wightman Cup Matches were played at Forest Hills. At Brooklyn, N.Y., Frank Fuller won $12,500 in the Bendix Air Race. At Chicago, Fred Snite watched a night football game, one of the year's first, from his iron lung.

Six entrants on their way to the Atlantic City Beauty Contest posed above Bryce Canyon. Ruth Overton, daughter of Louisiana's Senator John Overton, went to New York to get a job on the stage. In Boston, Veterans of Foreign Wars marched behind two well-trained female drum majors. Near Waukegan, Ill., a Soo Line freight train was derailed, apparently by saboteurs. The three-masted schooner, *Thomas H. Lawrence*, was blown ashore at Ipswich, Mass. Charles Williams, head of the Western & Southern Insurance Co., assured the anti-monopoly committee in Washington that he wanted to keep his company's resources less than $1,000,000,000 and a Japanese "good-will plane" landed at Seattle, Wash. Fannie Brice and Gracie Allen had a tricycle race at a Baby Snooks party. Stripped to the waist, Paul Vories McNutt went swimming with Senator Smathers at Margate, N. J., Bill Kern and Lou Little demonstrated blocking, "in the Carnegie Tech manner," at the *Herald Tribune* Football School and the Prohibition party held a 70th Anniversary banquet. Grand Army of the Republic veterans trundled about the World's Fair in armored cars. With his

CONTINUED ON NEXT PAGE



SIR NORMAN BROOKES (LEFT, BELOW) ACCEPTS THE CUP FOR AUSTRALIA



CHAPPED HANDS FEEL SMOOTHER

EXTRA-CREAMY, extra-softening to dry, chapped hands—that's HINDS! Use Hinds Honey and Almond Cream regularly to help guard your skin against the drying effects of steam heat, cold weather, hard water, and housework. Notice how this grand creamy lotion counteracts chapping ... tones down redness ... helps rough skin feel smoother right away! Used faithfully, Hinds Honey and Almond Cream means soft "Honeymoon Hands" for you. This famous lotion contains TWO vitamins—A and D. In $1, 50c, 25c, 10c sizes at toilet goods counters.

Opening Night—Wed., Oct. 4
BURNS AND ALLEN
Columbia Network
Coast to Coast
First show:
7:30-8:00 E.S.T.
Rebroadcast
10:30-11:00 E.S.T.

Copyright, 1939, by Lehn & Fink Products Corp., Bloomfield, N. J.

Chapping
Dryness
Roughness
Weathered skin
Hangnails
Calloused heels
Powder base
After-shaving lotion
Body-rub





"WE HAVE A grand time!" says Father—and Mother and the youngsters agree! For this jolly family knows the secret of starting every day right. For breakfast, they have the most delightfully crisp and delicious cereal you ever tasted—Post's 40% Bran Flakes. And Post's Bran Flakes help to keep them feeling shipshape, too!



"WE WANT a *big* bowlful!" little Betty and Tommy tell Mother every morning. And Mother knows that this delicious cereal gives two very important EXTRA BENEFITS. First, Post's Bran Flakes provide bran, a *natural* regulator. People whose systems are irregular, due to lack of bulk in the diet, find Post's Bran Flakes, eaten daily, a wonderful help. And . . .



THE SECOND BENEFIT, for youngsters especially, is very valuable: Post's Bran Flakes are a good cereal source of phosphorus, iron, Vitamin B1 to help maintain good appetite, and Vitamin G to help promote growth and vigor.

And how Tommy and Betty go for the *bran muffins* Mother makes with Post's Bran Flakes, too! (The recipe's right on the package.)



BACK IN DECEMBER Mother discovered Post's Bran Flakes, and since then she's been serving them every day, as a cereal or in muffins. "And those TWO EXTRA BENEFITS," she says, "seem to have made a lot of difference in our family's well-being!" P. S. Your grocer now has Post's Bran Flakes at a *new low price.*

A Post cereal made by General Foods



IMPORTANT: Post's Bran Flakes, due to their bulk, are a *regulative* cereal. Constipation due to insufficient bulk in the diet should yield to Post's Bran Flakes, eaten regularly—as a breakfast cereal or in muffins. For cases not corrected in this simple manner, a physician should be consulted.



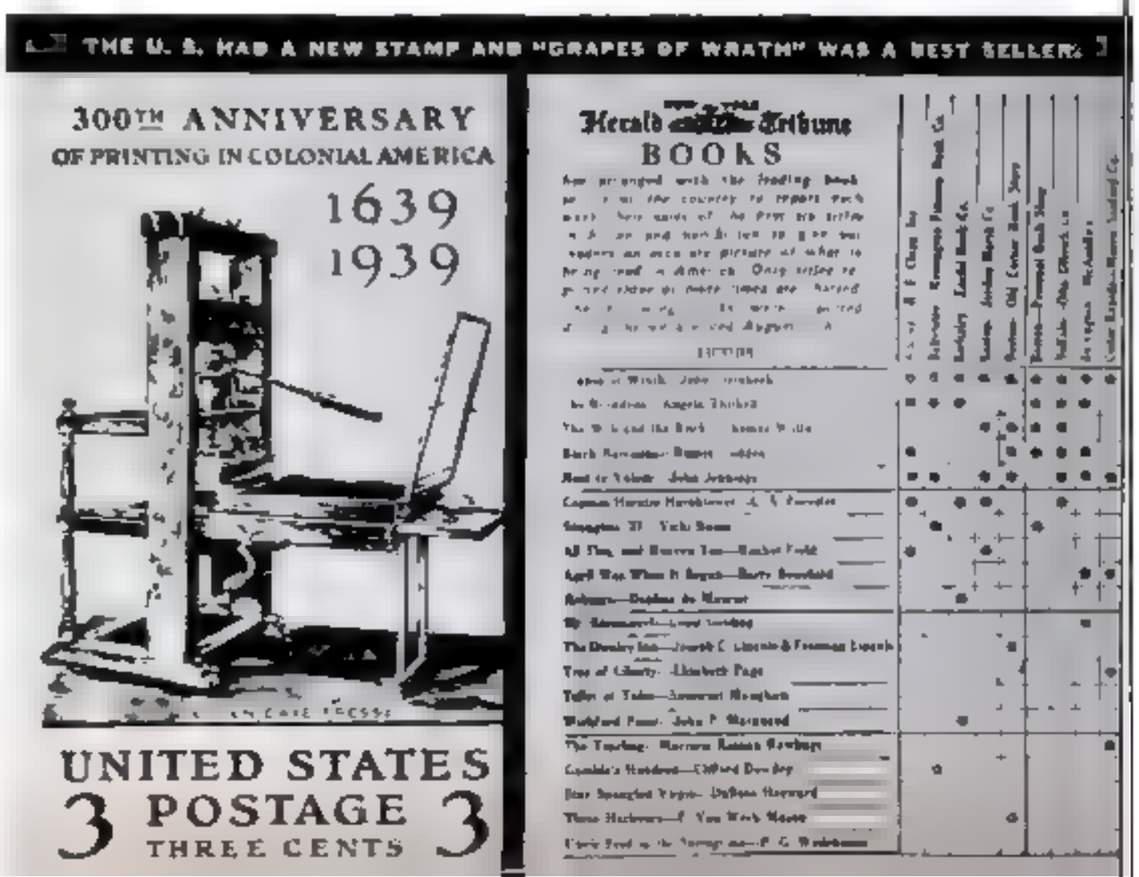
wife, Charles Merz, editor of the New York *Times*, played Chinese checkers.

Over the long Labor Day weekend, 22,000,000 cars drove 550,000,000 miles over U. S. roads. Nearly 200 people were killed and some 600 wounded in traffic accidents. Roughly $30,000,000 was spent on picnics, hot dogs and gasoline. In the comic strips, Dick Tracy's ex-girl, Tess Trueheart, spent her days with a demented dog fancier; Skippy became unhappily involved with an inkwell; Mr. and Mrs. passed a miserable day at a resort hotel. On a roadway north of Manhattan, a policeman commenting on the day's news to the driver of a Good Humor truck remarked, "This here uniform is oke with me."

All this was activity, which, in the U. S. last week, would have been no more noticeable than similar events in any other week save for the fact that they coincided with the start of another great European war. The word "another" was what made the start of the war at once more horrible and more unreal. If the first World War seemed incredible, the second seemed doubly so. There was in it some element of a grisly masquerade; its actions had a childishly imitative quality and its protagonists viewed from a distance were like characters playing in a nightmare some game of which they knew the rules but not the purpose.

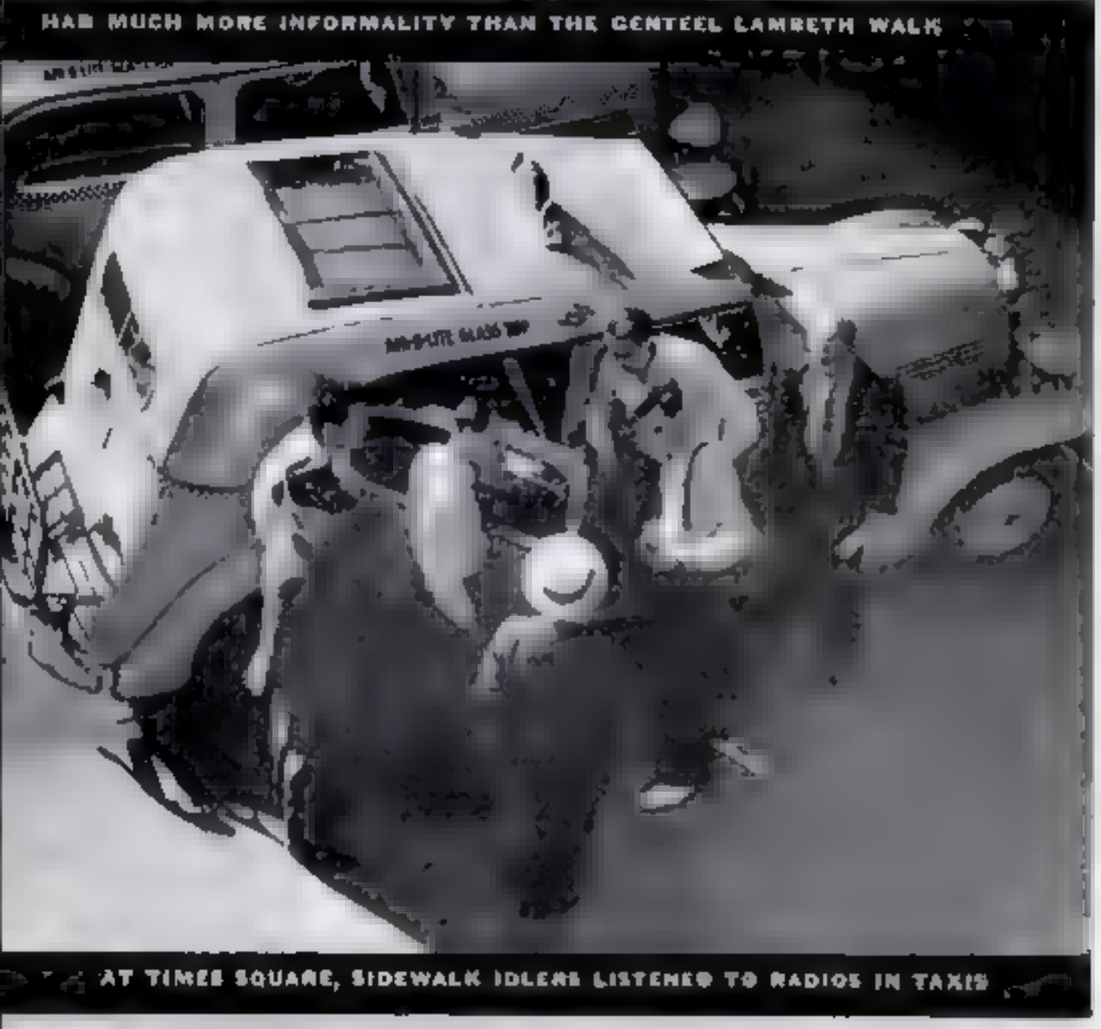
Many things that were going on before the first World War continued to go on during it; and many things that started during the War continued to go on after it. There was however a deep change in the way that people experienced all things—a change expressed most simply by the fact that since 1914 "before the War" and "after the War" have been familiar phrases, all over the world. When Europe went to war again last week, these phrases became suddenly meaningless. Like a grandfather's clock marking the hours, the guns in Poland and along the Rhine, sounded a new interval of time in the century. Superficially, nothing in the U. S. changed much except the prices of stock, the prices of food, the number of people who listened to the radios. Actually everything was changed.

Whatever its effect upon the U. S. imagination, World War No. 2 seemed sure, like World War No. 1 to mark the end of an epoch. And the trivial aspects of that epoch—the sun over Kansas cattle, Dewey in Plattsburg, Good Humor trucks on the summer roads—acquired suddenly a strange importance. Against the background of war, they emerged sharp and impressive, like a conversation prolonged in the theater after the rising of the curtain or like a familiar landscape made clear by lightning in the summer night.





HAS MUCH MORE INFORMALITY THAN THE GENTEEL LAMBETH WALK



AT TIMES SQUARE, SIDEWALK IDLERS LISTENED TO RADIOS IN TAXIS



IN "FIFTH AVENUE GIRL," GINGER ROGERS PLAYED GINGERLY WITH PIGEONS

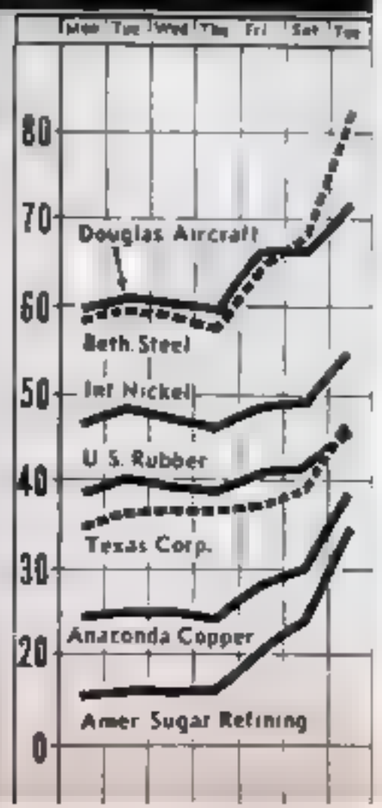
THE U. S. HAS A NEW FAVORITE SONG AND A NEW BOOM IN STOCKS

Best Sheet Music Sellers

(Week ending Sept. 2, 1939)

Beer Barrel Polka
Sunrise Serenade
Moon Love
*Over the Rainbow ('Wizard of Oz')
Man With the Mandolin
*I Poured My Heart Into a Song
Cinderella Stay in My Arms
Stairway to the Stars
Lamp Is Low
Oh You Crazy Moon
It Makes No Difference Now
To You
Especially For You
In an Eighteenth Century Drawing Room
White Sails

*Filmusical.

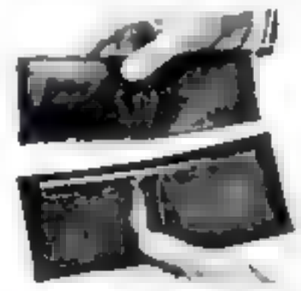


Here's the newest invention in billfolds — an all-purpose stitchless Buxton, convertible at a moment's notice to suit your varied "all-day" needs





An ingenious "Secret Compartment"—fine for traveling—Simply draw the center "partition" toward you. Lift out the end. It unlocks, revealing an extra, full-length "hidden" compartment that keeps larger bills, personal papers, checks, etc., out of sight—and out of others' minds!





Now it's two Buxtons—for "evenings out"—The "partition" is really a wafer-thin billfold—completely removable—with all the necessary pockets for theatre tickets, currency, etc.—What's more, it can't bulge smooth-fitting evening clothes.





Or three full-length compartments for busy days—Insert the inner fold open side up (it locks in) and you have three full length compartments—separating checks, papers, etc.—a regular "pocket file" with plenty of room for everything you want to carry, yet it stays amazingly flat.

The New BUXTON *"3-Way"*

Made entirely *without stitches!*

The "3-Way" and its "inner self" are each cut from a single piece of leather, skillfully folded and self interlocked. No thread to rot. No glue to come apart. Nothing but fine leather and fine leather craftsmanship.



$3.50 in long-lasting Buffalo

Other "3-Ways" from $3.50 to $10.

Only Buxton can make them

The "3-Way" design with its separate inner fold is a patented Buxton feature—Only Buxton can offer you stitchless construction which gives added years of service—Only Buxton makes Key Tainers with the patented loops that actually lock your keys in safe—Only Buxton offers you the "zip-guard" on all slide-fastener billfolds and Key Tainers—All reasons why Buxton is "tops" in smartest Pocket Leatherware.

Write for a free copy of "Leather for the Layman," a guide to fine leatherware. Buxton, Inc., 203 Orleans St., Springfield, Mass. New York Office: 47 West 34th St., New York City

BUXTON

BILLFOLDS • KEY-TAINERS • POCKET CASES



Life goes calling on

Duke of Marlborough's descendant

As soon as war came to England, His Majesty's Government handed over the 2,000,000 fighting tons of the British Navy to Winston Churchill as First Lord of the Admiralty. The greatest direct-action statesman in England, he had held that same job from 1911 to 1915. His appointment last week meant that England was out to destroy Adolf Hitler. On these pages LIFE goes calling on Churchill, just before his appointment, in his lovely Kent house of Chartwell, 20 miles outside London.

Chartwell is paid for by Churchill's journalistic income, which is around $100,000 a year. The elder son of a younger son of the great House of Churchill, he is financially a self-made man. His cousin, the Duke of Marlborough, has all the money. To Chartwell, however, come hordes of relatives, four and five at a time, to stay six weeks at a time. On each one's breakfast tray are the newspapers he likes to read. Downstairs is Host Churchill, already talking about the morning's news. During the night he thought up some good phrases and voiced them into the dictaphone beside his bed. One of his six secretaries is already busy transcribing them.

A great deal of Churchill talk goes with a stay at Chartwell. It is not the place for anyone who wants to talk himself. Exceptions are the experts Churchill asks out to cram him full of their specialties. He pumps them steadily through luncheon. Then he recites back, out of his remarkable memory, all they have told him. Sometime during the day he disappears to do his journalistic work.

This comfortable, amusing menage is entirely the product of Churchill's wife, born Clementine Ogilvy Hozier, a handsome, alert woman who dresses elegantly and notably does not talk too much. She has foiled her husband's irascible nervousness by giving him all that an Englishman dreams of home.

Against this background of family, Churchill sometimes fills Chartwell with his political colleagues of the moment: White Russians in 1919, India Act opponents in 1935, Free Traders, Anti-Appeasers. Usually, however, these do not spend the night, for the relatives have all the beds. His closest personal friends are probably Lindemann, professor of experimental philosophy at Oxford; Admiral Sir Roger Keyes; Writer Sir Edward Marsh, French Painter Paul Maze; his own wife and her sister Nellie Romilly. But as with any man who talks so much, it is almost impossible to say which of his listeners he likes best.

As a man of action, Churchill does more than talk at Chartwell. He himself built the high red-brick wall that surrounds the place. He created several artificial lakes on which he bred black swans imported from Australia. He built a swimming pool and a power plant to heat the water of the pool for himself and that of the lakes for the goldfish. Occasionally all these ponds get out of order and flood his little valley. Early last year he decided to sell Chartwell. Soon afterwards he forgot to clip the wings of his black swans and they flew away. At this, he realized his mistake and offered instead to sell only "some of the outlying ground."

From this home base, he continued to jog into London to hammer at Prime Minister Chamberlain from the Conservative back benches of Parliament. While he advertised for the return of the black swans, he pleaded with His Majesty's Government to stand and fight for Czechoslovakia. His reasons for doing so were not the rights of the Czechs, but rather the same as Adolf Hitler's for wanting Czechoslovakia—power and power politics. He conceived that Britain was already at war with Hitler and that

Winston Churchill

rules the waves for Great Britain

the high commands of Britain and Germany were playing for position. He cared nothing for the common man's ill-informed views on the situation. In this vein he delivered Cassandra warnings to the British Government, with brilliant and infuriating persistence. His screams of indignation after "the surrender of Munich" in September pricked the usually imperturbable Mr. Chamberlain into remarks about those who "foul their own nest." From then on Churchill became the unofficial champion of those who suspected Chamberlain of wanting to sell out to Hitler. Today most of those people find themselves baffled and on the sidelines. But Winston Churchill finds himself in possession of the British Navy.

This kind of last-minute survival is a pattern in Churchill's life. He flunked disgracefully at Harrow but he graduated with honors from Sandhurst military college. He compromised his Army career by running off to join the Spanish Army in Cuba but he got a medal for gallantry. In the Boer War as a newspaperman, he was humiliatingly taken prisoner but he brilliantly escaped. At 31, he was considered finished for having "ridiculed those in high places and insulted his cousin and patron the Duke" but next year he was in the Cabinet.

By this time he had had the fun of leading a desperate cavalry charge in the Sudan at Omdurman, had fought on the Indian Northwest Frontier and had been an M.P. since he was 27. Still standing for free trade in a protectionist government, he was surprisingly made President of the Board of Trade. One thing had become clear to his colleagues, however. Churchill, for all his talk, impatiently liked to act. Somehow he got things done.

When the Kaiser got tough at Agadir in 1911, Churchill was switched to the job of First Lord of the Admiralty "to put the fleet into instant and constant readiness for war." He did so, introducing the 15-in. gun, developing light cruisers and a fast battleship division.

In the first year of the World War he had two good ideas: to defend Antwerp with British marines and to attack the Dardanelles. Both miscarried with bad management. Churchill lost his job in 1915 and went to fight in France. But he kept talking and by 1917 he was back as Minister of Munitions.

But the War had taught him something. He wrote later: "War which used to be cruel and magnificent has now become cruel and squalid. It is all the fault of Democracy and Science. From the moment Democracy was admitted to, or rather forced itself upon, the battlefield, War ceased to be a gentleman's game." Hence, Churchill switched to peace.

This chubby, pink, glittering-eyed man is that unpredictable species—the non-conforming English aristocrat. For all his talk and all his brandy-drinking, he has mastered the subjects of military and naval tactics, finance, English history, painting, plumbing, cooking, gardening and the French language. He is England's highest-paid journalist and best historian. His phrase-making (Chamberlain "That undertaker from Birmingham") has made as much history as it has made him trouble. He probably wrote a good deal of his friend Edward VIII's abdication speech. His six-volume history of his ancestor, the famed Marlborough of Blenheim, is a masterpiece and his unfinished history of the English people will probably be another. As First Lord of the Admiralty, he has now the greatest chance of his career. When the final history of the English people is written, he may yet be one of England's masterpieces.



Churchill recruits for the British Territorials. The once-cheerful Punch-like face has turned gloomy and grim, as he warns Englishmen constantly of the danger of Nazi Germany to Britain's power, long before Hitler invaded Poland. But, by far the most brilliant and famous ornament of the Conservative Party, he remained out of the Cabinet.

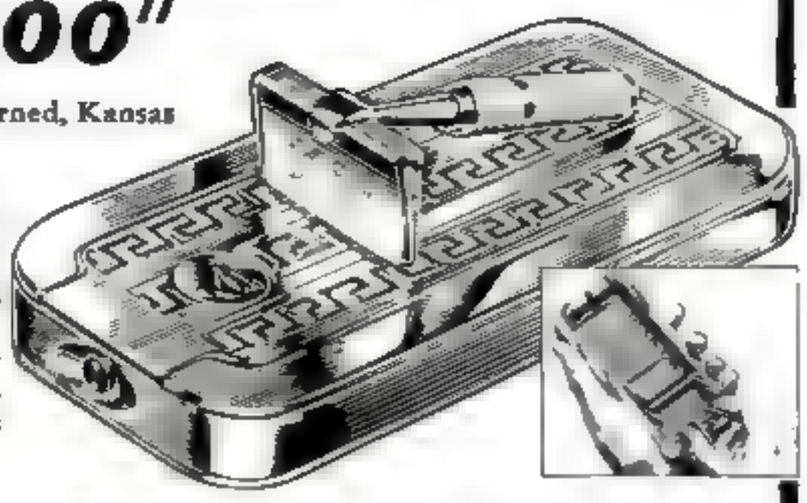


Chartwell, Winston Churchill's country seat, is a rambling brick manor house 20 miles southeast of London that Churchill bought some years ago. On the opposite page he stands in the gate leading to the garden. Below, he builds still another brick wall on the estate. This is his favorite relaxation. He used to belong to a bricklayers' union.


CONTINUED ON NEXT PAGE

"Wouldn't part with it for $100"

writes W. S. G. of Larned, Kansas



There is no better way to emphasize the merits of Rolls Razor than by quoting from recent letters to us. Each letter is unsolicited, unpaid for and represents the honest experience of a Rolls Razor user.

HELPS TENDER SKIN

"I have a very tender skin and have always been troubled with a sore neck when I shave. Since using my Rolls Razor I do not have very much trouble with my neck and most of that is my fault from too much haste. I wouldn't part with it for $100 if I could not get another."

W. S. G. of Larned, Kansas

ONE BLADE TEN YEARS

"Have used my Rolls Razor with its one blade for ten years without spending a cent for blades or repairs. As handy on the road or on vacation as in my own home. Has cost me 1¢ for every seven shaves and there are thousands of good shaves still left in it."

R. L. of New Rochelle, N. Y.

You, too, can begin to enjoy shaving. The British-made Rolls Razor with its one superb blade of hollow-ground, hand-forged Sheffield steel makes shaving a real pleasure. A few seconds of effortless stropping or honing keeps the blade shaving-sharp for years. **$10**

Ask your dealer for a demonstration or write for Booklet L918.
Rolls Razor, Inc.—Sales and Service—305 East 45th Street, New York City

ROLLS RAZOR

WHAT CAN I GET THAT'S

Rugged but Easy?

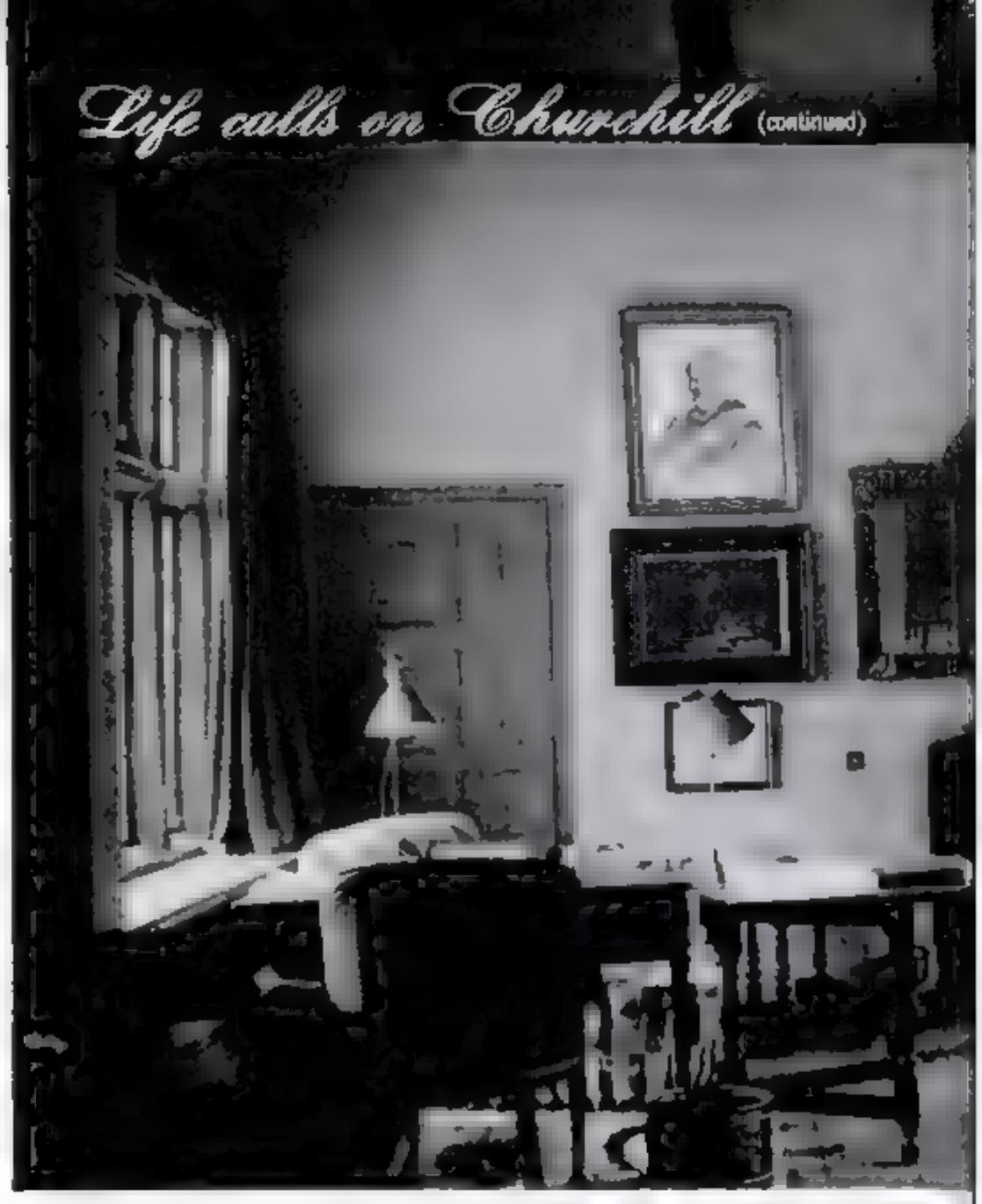


• You're plenty ready to take the plunge in this smart Walk-Over. Big and burly to ward off winter. Yet soft and seamless like a boot. Weatherproofed brown Norge. Double soles, oiled for ease and service. YORK, $8.75. Higher West. Walk-Over prices $6.75 to $12.50. Geo. E. Keith Company, Campello, Brockton, Mass.

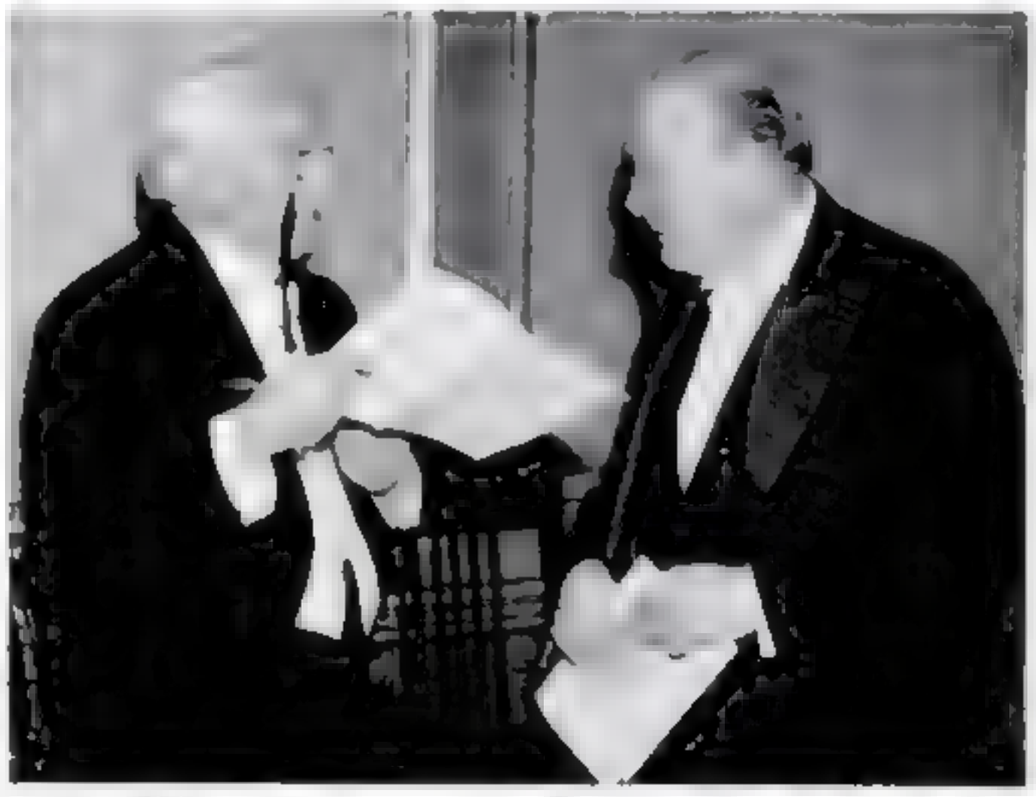


WALK-OVER

Life calls on Churchill (continued)



IN HIS STUDY AT CHARTWELL, WINSTON CHURCHILL READS IN THE MORNING



Two great fighters, relics of Britain's first World War Cabinet, are Lloyd George (*left*) and Churchill, ex-Prime Minister and ex-First Lord of the Admiralty, here shown at a recent dinner. Lloyd George is probably too old (76) to come back.



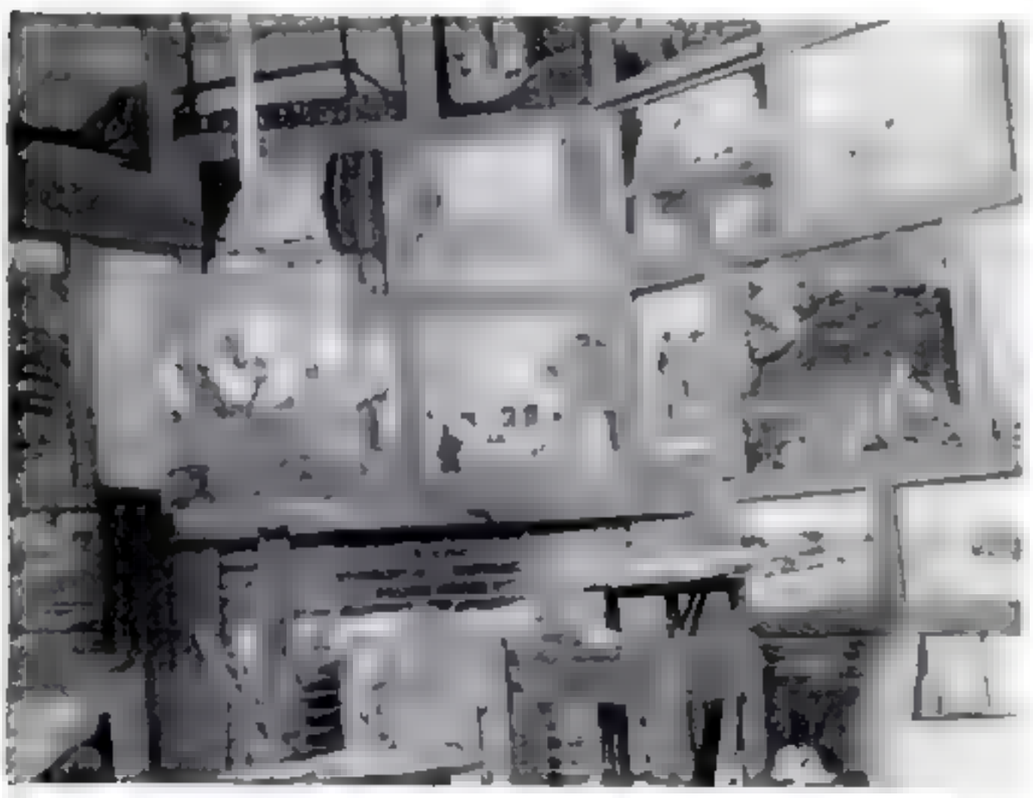
In his goldfish pond, which is artificially heated during the winter by a special power plant, Churchill surveys his garden. He also keeps black swans, collects butterflies and grows flowers. His favorite pet was a ginger cat accidentally shot by guard.



PED COPY OF WHAT HE POURED INTO DICTAPHONE THE NIGHT BEFORE



Churchill the painter regularly goes to the south of France to do his pleasant, conventional paintings. Here on Chartwell's lawn he is watched by his best friend, his wife Clementine, who is careful never to take the spotlight away from him.



The Churchill art gallery is concentrated in a detached building. All these pictures were painted by Churchill. He started painting about 15 years ago, is now better than fair. He also makes paper hats and ships during Parliamentary debates.

America's

FIRST GIN IS

EXTRA DRY

NOT SWEET

FLEISCHMANN'S

ESTABLISHED 1870

DISTILLED DRY GIN

DISTILLED FROM AMERICAN GRAIN

Distilled by The Fleischmann Distilling Corporation

1/5 QUART

90 PROOF

NO HARM IN ASKING

You don't always get the best things in life unless you ask for them. Learn to say Fleischmann's when ordering gin drinks. We're sure you'll say they taste better.

Learn to say FLEISCHMANN'S—that's the spirit

TRY FLEISCHMANN'S SLOE GIN FOR YOUR SLOE GIN DRINKS. 65 PROOF.

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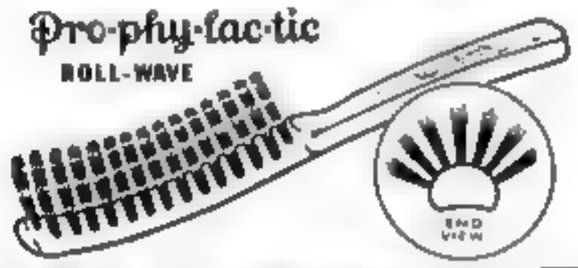


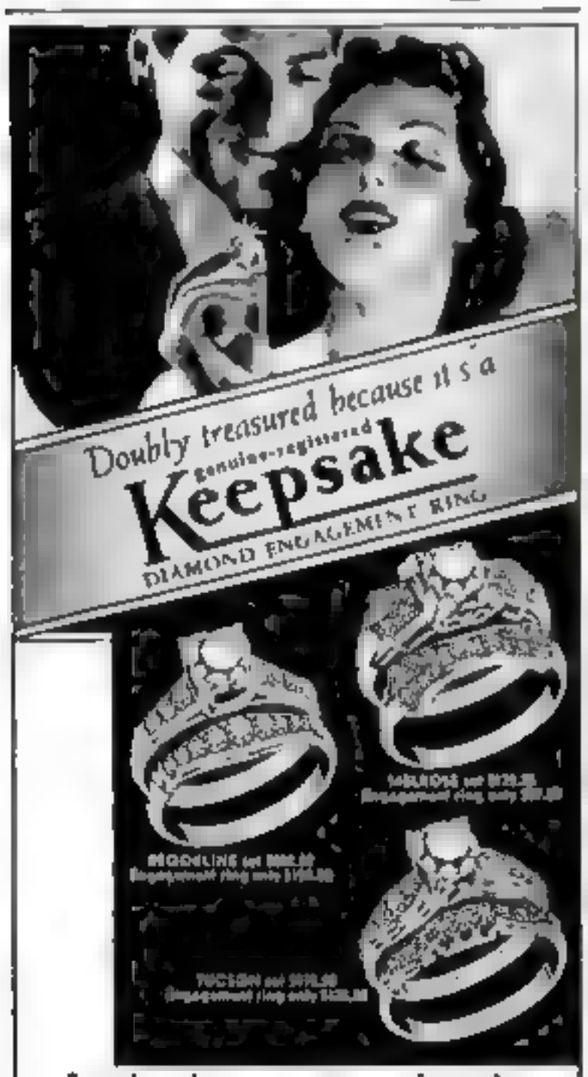
The clever "curved-to-your-head" trim of Roll-Wave's fan-shaped bristles makes possible a brushing *plus* massage technique which does wonders for your hair. As you brush, the penetrating, *genuine* bristles follow the roll of the brush, reaching deep into your locks to give your scalp a stimulating, invigorating massage

If your hair has the slightest tendency to be stringy, dry, or lusterless, see Roll-Wave at any brush goods counter today. Only $2.50 with black bristles . . . $3.50 with bronze.

PRO-PHY-LAC-TIC BRUSH CO. *Florence, Mass.*

Pro-phy-lac-tic
ROLL-WAVE





Superb styling, exquisite workmanship and diamonds of lovely color and fine quality make Keepsake the ring she hopes for. The Gold Bond Certificate of Quality and Registration accompanies each Keepsake. At your jeweler.

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214 S. Warren St., Syracuse, N. Y.

I enclose 10c to cover mailing expense. Please send me valuable book "Etiquette of the Engagement and Wedding."

Name .....

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City .....

L1019

PICTURES TO THE EDITORS

THREE IN A SUIT

Sirs:

Here's a recent snapshot enlargement taken at Geneva-on-the-Lake, Ohio. My sister, a friend and I found a bathing suit left several years ago by a visitor at our hotel. We three had no difficulty in getting into this suit as the photo may indicate.

NELLIE E. MEYERS
Secretary to the Principal
Alliance High School
Alliance, Ohio



FIRST SHAVE

Sirs

Here is a picture of Pete Hilton, East Tennessee mountaineer, getting his first shave by Barber Clay Cope at Bean Station, Tenn. Cope, who lent the picture to me, said Hilton wanted to get into the chair but made no complaint when he was told that that high place was reserved for the barber

E. P. WIDEMAN
Greenwood, S. C.





HE'S FED THE WORLD'S MOST FAMOUS DOG FOOD

● Your dog's health depends largely on *proper* feeding. For this he depends on you. Don't fail him—feed Spratt's Meat-Fibrine Biscuit Foods, the choice of experts for over 75 years.

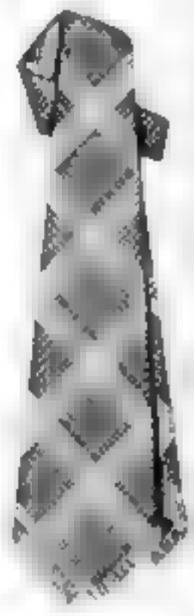
Spratt's furnish a complete, correct dog diet, MEAT and WHEAT, in crisp-baked form. This biscuit form obliges the dog to chew his food, instead of gulping it, thereby safeguarding teeth, gums and digestion. Spratt's famous foods are made only with first quality ingredients. Ask for Spratt's FIBO (granulated), SPIX (bone size), OVALS or Assorted Biscuits.

SPRATT'S

FREE—write for 50 page book on Care of Dogs to: SPRATT'S, Dept. L-I, Newark, New Jersey, or San Francisco, Calif.

SPRATT'S DOG BISCUIT FOODS

HAND WOVEN
by the mountain people of New Mexico



If you want real distinction in your ties here it is for only $1. Ever since the 17th century the Spanish people here have been raising sheep and weaving wool. And our colorful landscape makes them natural artists. The result in their hand-woven ties is unbeatable! Lovely patterns and colors. All wool texture (marvelous with tweeds), made up to tie right and hang right Can be cleaned again and again. Never sold in stores, but $1 postpaid anywhere in U. S. or Canada.

WRITE *for my Rainbow Folder of 16 ties, with actual fabric sample. See why my customers are constantly asked: "Where did you get that tie?" Write now.*

WEBB YOUNG, Trader
600 Sena Plaza, Santa Fe, N. Mex.





forgetful?.. a ROBINSON REMINDER makes you remember



The Memory System that Never Fails

Give your memory a vacation. As necessary as your money and keys is this handy memory system. Each memo separate—tear out when attended to. Genuine leather cases, attractively boxed—From $1.00 to $7.50.

See the smart new ZIP-KIT for ladies!

ROBINSON PEN-in-INK SETS

the pen that never fails...



These smart sets end all writing problems. Here is the pen that always writes—never runs dry—needs filling only once a year.

THE INK IS IN THE BASE. PEN RESTS IN THE INK. Adjustable to fit your writing needs — can't flood —can't clog. E-Ject-R pen changes points in a jiffy without touching inky point. $2.45 to $25.00.

FREE KEYCASE

For car or house keys. Choice of red, black or pigskin. Also valuable booklet . . . . "Helps to Personal Efficiency." . . . . Send 10¢ for handling cost.

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AMAZING NEW DESIGN FOR BUST BEAUTY

It breathes with you . . . it gives with the slightest motion yet it is so wisely designed that it supports the bust from beneath and gives the suspended natural line that belongs to youth. For controlled freedom the center band features firm elastic. Ask for Bestform brassieres in your favorite store and notice the difference. "Suspense" is only 59¢

Free WRITE FOR SPECIAL CORSET BOOKLET

BESTFORM FOUNDATIONS, INC., 358 FIFTH AVE., N.Y.C.

BESTFORM

THE FOUNDATION OF AMERICAN BEAUTY

FIRST CHOPSTICKS

Sirs:

For several years I have had a hobby of photographing children under my care. These pictures are of a Chinese boy, 14 months old, the first time chopsticks were placed in his hands. He seemed to know what to do with them.

DR. CATHERINE MURPHY

Los Angeles, Calif.







HERO'S PRINTS

Sirs:

At the New York World's Fair recently I observed the hand- and footprints of famous persons in cement blocks. When a workman laid down fresh cement I waited in anticipation until a man was brought forward. When in this most awkward position, I snapped his picture.

The man is Sergeant Alvin C. York, outstanding hero of the World War. At Château-Thierry, Oct. 8, 1918, with a squad of seven men, he killed 25 Germans, captured 132 and put 35 machine guns out of commission!

KENNETH ADAMS

West Brighton, S. I., N. Y.



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How to get A-head



NOT LIKE THIS—He's a "Water Soak." Soaks his head with water to comb it. Water is bad for hair. Washes away natural oils. Dries it out. No wonder his hair is wild. Looks like a Hottentot's.



OR THIS—He's a "Shiner." Plasters down his hair with too much grease that makes his hair shine and gleam like patent leather. No wonder he reminds you of a gigolo.



OR THIS—He's just a hopeless case so far as hair is concerned. For hair once gone is gone forever. Be wise—don't neglect the hair you have.



BUT LIKE THIS—He's the "Head Man." Uses Kreml every day, and you can tell it. Hair neat as a pin—never greasy or sticky. No dandruff scales, either.

Yes—KREML checks excessive falling hair, removes dandruff scales, relieves itching scalp. It's a fine hair dressing, but not sticky or pasty. Start today with a daily massage with Kreml. Notice how fresh your scalp feels. See how well-groomed you look. Ask for Kreml at your barber's, too.

KREML

REMOVES DANDRUFF SCALES
CHECKS EXCESSIVE FALLING HAIR
NOT GREASY—MAKES THE HAIR BEHAVE

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When you get those Hot Shave Blues — Cool Ingram's is the Cream to choose!



Economical Ingram's helps relieve shaving irritations!

QUICK-WILTING Ingram's lets your razor fairly fly through the stubble. And all the while you're shaving, you can feel that famous, freshening, *different*, Ingram's KICK. It's great—but Ingram's trump card is its bracing after-effect on your face. Ingram's helps relieve shaving stings and irritations, leaves your skin soothed and refreshed long after the shave's ended.

Get a tube or a jar of Ingram's today at your druggist's. Each offers genuine economy.



INGRAM'S
Concentrated
SHAVING CREAM
A little goes a longer way

PICTURES TO THE EDITORS

(continued)



FOREST FIRE'S SPEED

Sirs:

These two pictures show the startling speed of forest fires. The first picture was taken at 1:30 p.m., Aug. 15, from the top of Mt. Walker, in the Olympics in the State of Washington. The second picture was taken exactly two hours later from the same place, showing the huge forest fire, with over a mile front, sweeping through the forest.

ED FLOYD
Seattle, Wash.





OVER THE TOP
with energizing
Horlick's Malted Milk

LEADERS—whether in college or kindergarten, in classroom or playground, burn up lots of fuel—need plenty of protective, strengthening, energizing food like Horlick's Malted Milk.

Horlick's contains the wholesomeness of full-cream milk with nutriments extracted from wheat and malted barley, proteins, calcium and phosphorus good for teeth and bones and natural vitamins A, B and G. Treat all your family to this delicious, All-American, build-up drink, at meals in place of tea or coffee, between meals as a pick-up, and at bed-time to promote sound invigorating sleep.

Also in handy candy tablets of sheer wholesome goodness. Insist on Horlick's — a stand-by for over 30 years. Ask for Horlick's at the fountain, too.

For sample tin of Horlick's Malted Milk Tablets send a 3-cent stamp to "Dept. L-9, Horlick's, Racine, Wis., or Montreal, Can."

HORLICK'S
Now at new low prices!

YOU'LL LOVE THE WAY SHINOLA DYES WHITE SHOES DEEP RICH BLACK OR BROWN



• There's a Shinola polish, dye and cleaner for every type of shoe — Paste Polishes, Liquid Wax Polishes, Cremes, special Suede and Gabardine Cleaners. Your family needs the Shinola Home Shine Kit, containing a tin of Shinola Paste Polish, bristle dauber, lamb's wool polisher. At your dealer's... or send 25c with name and address to SHINOLA, Dept. P-918, 88 Lexington Ave., N.Y.C.

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Expect Compliments!



Ask your grocer for Baker's Chocolate *—the quality famous since 1780. Baker's Chocolate is a product of General Foods.*

on this Marble Cake
baked in *layers*...
rich with
BAKER'S CHOCOLATE

CHOCOLATE MARBLE CAKE
(6 egg whites)

Sift flour once, measure, add baking powder and salt, and sift together three times. **Cream** butter thoroughly, add sugar gradually, and cream together until light and fluffy. **Add** flour, alternately with milk, in small amounts, beating well after each. Add vanilla. Fold in egg whites quickly and thoroughly. To melted chocolate, add sugar and boiling water, stirring until blended. Then add soda and stir until thickened. Cool slightly. **Divide** batter in two parts. To one part add chocolate mixture. Put by tablespoons into two greased 9-inch layer pans, alternating light and dark mixture. Then with knife cut carefully through batter once in a wide zigzag course. Bake in moderate oven (375° F.) 30 to 35 minutes. Spread Hungarian Chocolate Frosting between layers and over cake.

- 3 cups sifted Swans Down Cake Flour
- 3 teaspoons Calumet Baking Powder*
- ½ teaspoon salt
- ¾ cup butter or other shortening
- 2 cups sugar
- ¾ cup milk
- 1 teaspoon vanilla
- 6 egg whites, stiffly beaten
- 3 squares Baker's Unsweetened Chocolate, melted
- 4 tablespoons sugar
- ¼ cup boiling water
- ¼ teaspoon soda

**This recipe has been developed with Calumet Baking Powder. If another baking powder is used, adjust the proportions as recommended by the manufacturers.*

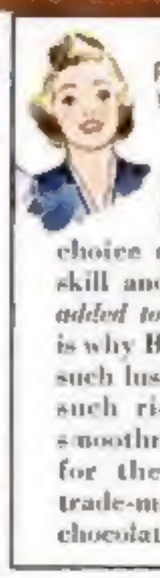
HUNGARIAN CHOCOLATE FROSTING (*Using egg yolks*) Combine 3 squares Baker's Unsweetened Chocolate, melted, 1½ cups confectioners' sugar, and 2½ tablespoons hot water; blend. Add 3 egg yolks, one at a time, beating well after each. Add 4 tablespoons butter, a tablespoon at a time, beating thoroughly after each amount. (*All measurements are level.*)

FOR PERFECT RESULTS, FOLLOW THIS TESTED RECIPE EXACTLY, USING BAKER'S CHOCOLATE

HOW FRAN GOT FIRST NIBBLE FROM THE SEASON'S BEST "CATCH"







"MOTHER SAYS CLEVER WOMEN FOR GENERATIONS HAVE COOKED WITH **BAKER'S CHOCOLATE**—AND HERE'S THE REASON WHY"—

Baker's Chocolate contains *all* the pure chocolate richness of choice cocoa beans—blended with skill and care. *Nothing whatsoever is added to it, nothing is removed.* That is why Baker's Chocolate always gives such luscious *real chocolate* flavor . . . such rich, red-brown color—such smoothness and gloss! Always look for the "Baker Chocolate Girl" trade-mark. It guarantees you this chocolate *richness*.



AND HERE'S LUXURIOUS BAKER'S COCOA—thrifty in the full-pound size!



Baker's Cocoa has been famous for generations for the *richness* which gives it such color and smoothness and luscious flavor. Yet today this luxury cocoa is far from luxury-priced. The money you save by ordering Baker's in the full-pound size makes it amazingly economical. Why not try Baker's Cocoa in the pound can this week?

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ARE YOU READY FOR FALL PARTIES? SEND TODAY FOR THIS HELPFUL BOOK!

Free! It's new—this "Party Book" of popular chocolate recipes!

Those chocolate Butterscotch Surprises (page 22) will make a hit at your first Bridge Club meeting this fall! And there are dozens of other recipes—28 illustrated pages! Yours *free!* Just mail this coupon today to GENERAL FOODS, BATTLE CREEK, MICH. LM-9-19-39

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(Offer expires March 1, 1940)

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Easy on Your Throat—Because "IT'S TOASTED"

"The U. S. Government has helped farmers raise finer tobacco—and the better grades go to Luckies!" says Earl Forbes, auctioneer. He's been "in tobacco" 22 years; has smoked Luckies for 13 years.

Have you tried a Lucky lately? Luckies are better than ever, and here's why:

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As independent tobacco experts like Earl Forbes point out, Luckies have always bought the Cream of the Crop. Aged from 2 to 4 years, these tobaccos, better than ever, are in Luckies today. So Luckies are better than ever!

Try Luckies for a week. Then you'll know why sworn records show that among independent tobacco experts—auctioneers, buyers and warehousemen—Luckies have twice as many exclusive smokers as have all other cigarettes combined! . . . **WITH MEN WHO KNOW TOBACCO BEST—IT'S LUCKIES 2 TO 1**

Have you tried a Lucky lately?

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